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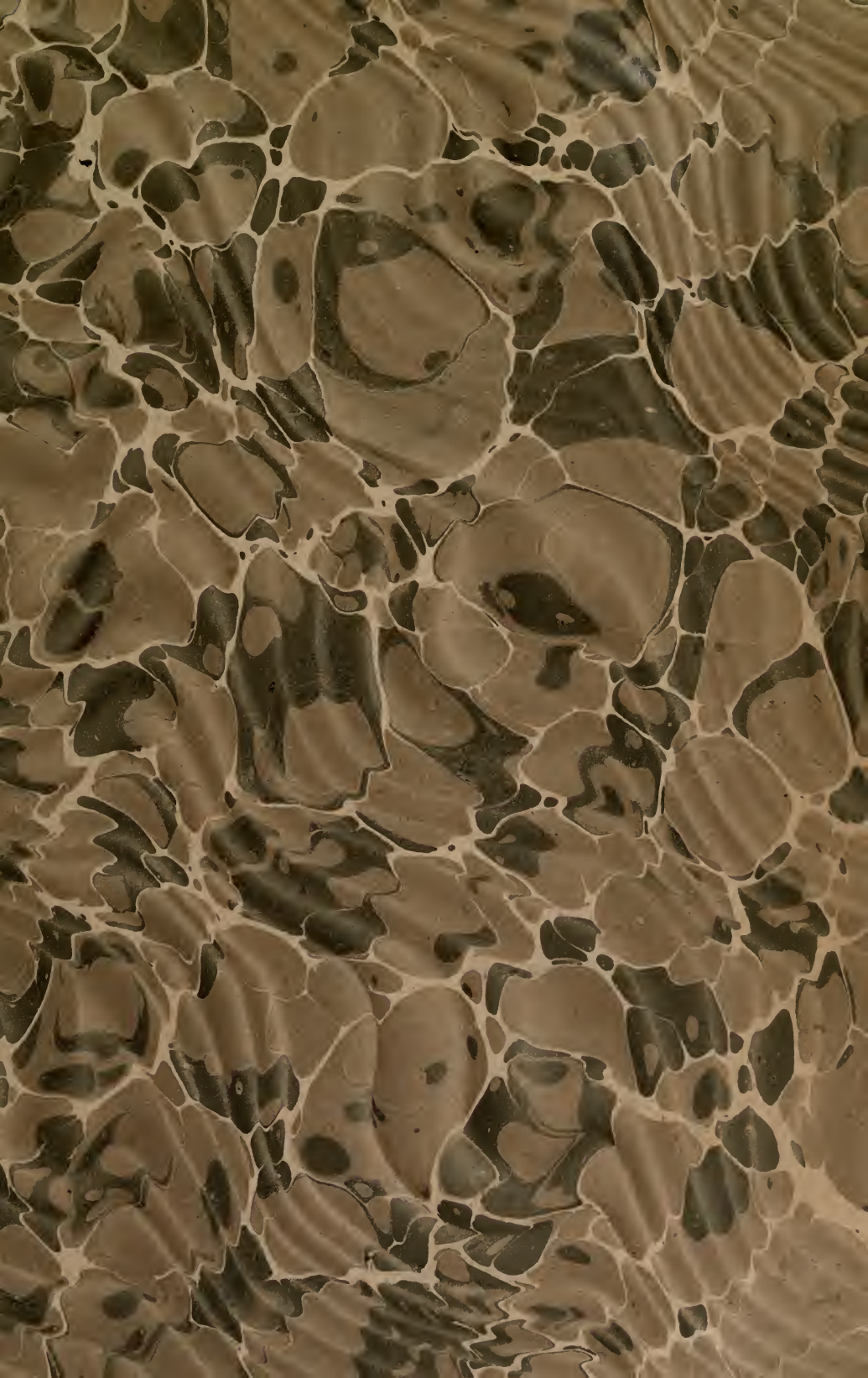

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The University of Maine
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No. 3

A Preliminary List of Maine Fungi

BY

PERCY LEROY RICKER, M. S.

Assistant in Biology

ORONO, MAINE
April, 1902

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HISTORICAL SKETCH OF THE STUDY OF THE MAINE FLORA

While no group of Maine plants has been thoroughly investigated, our knowledge of the phanogamous plants is probably more complete than of any other group. This is due to the more general interest taken in that group, and to the efforts of Mr. M. L. Fernald of the Gray Herbarium, who has published an extended list of Maine plants.[1] A large part of our knowledge of the lower forms is due to the extensive lists of Filamentous Algæ,[2] Lichens,[3] Characeæ,[4] and several groups of Fungi[5] published by the late Professor Francis L. Harvey, of the University of Maine. Some knowledge of the Diatoms of the State has also been given us by Professor A. B. Aubert,[6] of the University of Maine. There are no published lists of other groups, but a list of about 150 species of Mosses was prepared by Mr. E. D. Merrill while in the University of Maine, and large collections of Maine Mosses are preserved in the University herbarium. Extensive collections of Liverworts have been made by Professor Harvey and his students, and specimens of them have been preserved in the University herbarium.

Rev. Joseph Blake was the first to study the Fungi of Maine. Many new and interesting forms were found by him, and several of them were described by Rev. M. J. Berkley of England, and Rev. Moses A. Curtis of North Carolina. Mr. Blake's collections were mostly made in Cumberland county and about August

1. Proc. Portland Soc. Nat. Hist. 2: pts. 2, 3, & 4. 1892-97.
2. Bull. Torr. Bot. Club, 15: 155-161, 1888; 16: 181-188, 1889; 19: 118-125, 1892.
3. Bull. Torr. Bot. Club, 21: 389-393, 1894; 23: 7-10, 1896.
4. Bull. Torr. Bot. Club, 22: 397-398, 1895.
5. See Harvey, F. L. in List of works and papers treating of Maine Fungi. For complete bibliography of Maine botany see Rhodora 1; 111-151, 1899.
6. Le Diatomist 2: 150-151 & 211, 1894-95. Am. Mo. Micr. Jour. 17: 165-6, 1896.

30, 1856, his first lot of Fungi was sent to Dr. Curtis for identification. It was largely through the encouragement received from Dr. Curtis that he continued his collections in this line. Their correspondence lasted until March 23, 1861, and during this time 800 specimens of Fungi were sent Dr. Curtis for identification.[1] Notes on many of these forms were given in "Notices of North American Fungi," which were published in Grevillea.[2] Very little collecting was done in Maine by Mr. Blake after 1861, but a few specimens were picked up on his trips through Maine which lasted until 1880.

Shortly after collecting was begun in Maine by Mr. Blake, small collections were made around Portland by Mr. C. B. Fuller and Rev. E. C. Bolles. Most of their collections were sent to Dr. M. C. Cooke of England, and notices were published in Grevillea and the Proceedings of the Portland Society of Natural History.

The next botanist to give attention to these plants was the late Professor F. L. Harvey. His collections were larger and he made a more thorough study of Maine Fungi than any of his predecessors, but his University work prevented him from spending very much time on the group, and he gave very little attention to it after 1897. Most of his collections after that date, except the Myxomycetes, were turned over to the author. On this latter group he spent much of his spare time, making a very thorough study of them.

While a student in the University, Mr. E. D. Merrill made extensive collections in the vicinities of Orono and Auburn, and from these collections, together with those made by the author between 1896 and 1901, the greater part of this list has been compiled.

This list is very incomplete as collecting has been principally confined to Cumberland, Androscoggin, and Penobscot Counties, but in order to call attention to this very much neglected group, and perhaps serve to stimulate further study, it seems advisable to publish it in this condition.

1. Dr. Curtis's correspondence with Mr. Blake has been preserved and is in the University Herbarium. It contains many interesting notes.

2. See Berkley, M. J. in list of works on Maine Fungi.

LIST OF WORKS AND PAPERS TREATING OF MAINE FUNGI

Berkley, Rev. M. J. Notices of North American Fungi, Grevillea, 1:68, 147, 1872-73; 2:7, 20, 50, 99, 100, 157, 179. 1873-74; 3:63, 100, 107, 154. 1874-75. 4:4, 51, 52, 104, 106, 157. 1875-76.

——— and Curtis, Rev. M. A., Centuries of North American Fungi. Am. Mag. Nat. Hist. Ser. 4.3: 288-293. 1859.

Cooke, M. C. Decades of Maine Fungi. Proc. Portland Soc. Nat. Hist. 1: 179-185. 1862.

——— North American Fungi. Grevillea, 5: 150-153. 1877; 11: 111. 1883.

——— Pezizæ Americanæ. Hedwigia, 14: 81-85. 1875.

——— and Ellis, J. B. New Jersey Fungi. Grevillea, 5: 33. 1876. Mentions or describes four Maine species.

Ellis, J. B. New North American Fungi. Bull. Torr. Bot. Club, 8: 74. 1881.

——— and Everhart, B. M. North American Phyllostictas. p. 101. 1900.

——— ——— New species of North American Fungi from various localities. Proc. Phil. Acad. Sci. 1893: 148, 160. 1894; Bull. Torr. Bot. Club, 24: 475. 1897; 27: 572-573. 1900.

——— ——— Fungi Columbiani. Century XV continued by C. L. Shear. Numbers 1340, 1360, 1408, 1416, 1461, 1482.

——— ——— North American Fungi. Numbers 237, 1920, 1932, 2010, 2017, 2018, 2079, 2347, 3278, 3597.

——— ——— North American Pyrenomycetes. p. 203. 1892.

——— ——— Synopsis of North American Hypocreaceae. Jour. Mycol. 2: 67, 133. 1886.

Farlow, W. G. The Gymnosporangia or Cedar-Apples of the United States. pp. 13, 27-30. 1880.

Harvey, F. L. Contributions to the Gasteromycetes of Maine. Bull. Torr. Bot. Club, 24: 71-74. 1897.

1. This list is probably incomplete, and the author will be greatly obliged for any additions.

——— Contributions to the Myxogastres of Maine. Bull. Torr. Bot. Club, 23: 307-314. 1896; 24: 65-71. 1897; 26; 320-324. 1899.

——— Contributions to the Pyrenomycetes of Maine. Bull. Torr. Bot. Club, 23: 50-58. 1896.

——— and Knight, O. W. Cryptogams Collected near Jackman, Maine, August, 1895. Bull. Torr. Bot. Club, 24: 340-342. 1897.

Lister, A. A. Monograph of the Mycetozoa. 1895.

Macbride, T. H. The North American Slime Moulds. 1899.

Peck, C. H. Boleti of the United States. Bull. N. Y. State Museum, 8: 78. 1889.

——— New species of Fungi. Bull. Tor. Bot. Club, 22: 493. 1895; 23: 419-420. 1896; 25: 328. 1898; 26: 69-70. 1899; 27: 20-21, 611. 1900.

Robinson, B. L. Rhodora, 1: 90. 1899, mentions Ustilago violacea (P.) Fckl., as U. antherarum Fr.

Saccardo, P. A. Sylloge Fungorum. 1: 308, 355, 377. 1882; 2: add. XLI. 1883; 3: 170, 178. 1884; 4: 355. 1886; 5: 368, 448, 487. 1887; 6: 400, 793, 798. 1888; 7: 584, 1888; 8: 163, 472, 1889.

Schrenk, Herman von. Some Diseases of New England Conifers. U. S. Dept. Agr. Div. Veg. Phys. and Path. Bull. 25. 1900.

Sprague, C. J. Contributions to New England Mycology. Proc. Bost. Soc. Nat. Hist. 5: 325-331. 1856; 6: 315-321. 1859.

Thaxter, R. The Entomophthoreæ of the United States. Mem. Bost. Soc. Nat. Hist. 4: No. VI. 1888.

——— Contributions towards a monograph of the Laboulbeniaceae. Mem. Am. Acad. of Arts and Sci.; 12: No. III. 1896.

——— Preliminary diagnoses of new species of Laboulbeniaceæ. Proc. Am. Acad. of Arts and Sci. 36: No. 23. 1901.

Thaxter, R. New or Peculiar Aquatic Fungi. Bot. Gazette, 28: 480-481. 1897.

Underwood, L. M. Bull. Torr. Bot. Club, 26: 254. 1899. Describes Cantharellus multiplex.

——— On the Distribution of North American Helvellales. Minn. Bot. Studies, Bull. 39, Part 8. 1896.

A PRELIMINARY LIST OF MAINE FUNGI

The following list includes such species of Fungi as are known to be found in the State of Maine, and although necessarily incomplete, it is hoped that it will serve as a stimulus to the further collection and study of the forms belonging to this more or less obscure group. No very thorough study has been made of the Fungi of this state and it is confidently expected that further study and collection will increase this list to two or three times its present number. The state is a rich field for collecting and ought to furnish many more new and interesting forms.

With the exception of such references as have been taken from literature, most of the species here listed are known to be in some Maine collection. Those marked with an asterisk have been taken from the notes of the late Professor F. L. Harvey. Although the specimens can not now be found, there is no doubt that they are authentic. Professor Harvey lost a large part of his collection of Agaricaceæ, and a few other specimens, from the ravages of insects. Many of these specimens were determined by Professor C. H. Peck. Doubtless others have been misplaced or lost. In many cases the only specimen collected was sent away for determination, and unfortunately very few letters from his correspondents have been preserved. However, such species are indicated and it is hoped that they may be verified or collected again by some of those into whose hands this list may come.

The location of the material on which this list is based may be determined from the following statement:—

1. Species referred to in literature, a list of which has already been given, are presumably in the collections of the various authors. Specialists interested will probably know where these collections are located.

2. Species collected by the Rev. Joseph Blake are in the Blake Herbarium, now owned by the University of Maine. Determinations made by M. J. Berkley, M. A. Curtis, M. C. Cooke, and J. B. Ellis.

3. Species collected by Professor F. L. Harvey are now owned by Mr. LeRoy H. Harvey, Orono, Me. Myxomycetes verified by A. P. Morgan, T. H. Macbride, and G. A. Rex. Other species,

except those marked with an asterisk, presumably determined by Professor Harvey unless otherwise stated.

4. Species collected by various students while in the University are either in the Harvey or the University collections.

5. Species collected by Mr. E. D. Merrill, Washington, D. C., while an undergraduate and graduate student at the University of Maine, 1894-1899. Determinations by Professor Harvey unless otherwise stated.

6. Species collected by the author while an undergraduate and graduate student at the University of Maine, 1896-1901. Determinations made by the author unless otherwise stated, but only after careful microscopical examination and comparison with authentic specimens, as well as descriptions. Uredineæ all verified by Dr. J. C. Arthur. Duplicates of most of the species collected by Prof. F. L. Harvey and Rev. Jos. Blake are also in the authour's herbarium.

The credit for the foundation of this work belongs to the late Professor Harvey, and to him the author is greatly indebted for assistance and inspiration in taking up this work. He is also indebted to the following:—

To Mr. L. H. Harvey for access to his father's collection.

To Messrs. J. B. Ellis, C. H. Peck, J. C. Arthur, E. A. Burt, and W. G. Farlow for determination or verification of specimens.

To Dr. Roland Thaxter for the loan of literature.

The classification followed is that of Saccardo's Sylloge Fungorum, the genera and species being arranged alphabetically. In the case of parasitic species the hosts are given as far as possible, but in some cases the determination of the host was not made at the time of collecting and the material is such that it is impossible to make it now.

For the benefit of those who are not familiar with the lower forms of plants it may be well to indicate briefly some of the characteristics of the Fungi, giving as far as possible the common names of the various groups into which the Fungi are divided. The Fungi, popularly known under the names of moulds, mildews, smuts, rusts, toadstools, and mushrooms, are plants:—

1st. Of very simple structure.

2nd. Contain no Chlorophyll, which is the green coloring matter of the higher plants, and therefore cannot live on inorganic matter, as do other plants.

3rd. Reproduce by very minute spores instead of seeds.

It must be understood, however, that spores are not homologous with seeds. Spores are analogous with seeds and homologous with the pollen of the flower of the higher plants.

Since the Fungi are not able to live on inorganic matter, they must live as parasites on living plants or animals, or as saprophytes on decaying plants or animals. To the former class belong a large number of forms which are very injurious to cultivated and wild plants. Investigators in many of the Experiment Stations of this country have given much time to the study of these injurious Fungi, and already much has been learned regarding the life histories and the best methods of checking the ravages of these parasites.

Fungi are variously classified by different authors, but for convenience they have been divided into six classes, two of which are not usually considered as true Fungi. These classes are in turn divided into orders, and orders into families. The various classes and orders with such common names as have been applied to them may be arranged as follows:—

Class I. MYXOMYCETES (Slime moulds). Represented in Maine by one order (Myxomycetaceæ), which live mostly on rotten wood, and are very remarkable organisms. In the early stages of their life history they resemble certain of the lowest forms of animal life. In latter stages they resemble the puff-balls (Lycoperdaceæ), and were placed in that order by our early mycologists. Later they were placed in an order by themselves and placed at the foot of the vegetable kingdom. For the past few years there has been a general indisposition among both botanists and zoologists to claim them. One of the latest standard text-books on zoology[1] places them among the lowest forms of animals. On this account they have been placed first in the list. They are included because they have been pretty

1. Parker and Haswell, A Text-book of Zoology.

carefully studied in Maine[2] and they are usually regarded as plants.

Class II. SCHIZOMYCETES. Include the bacteria, many of which are useful to man; others produce serious diseases in man and animals, and some produce diseases in plants, as the pear blight (Micrococcus amylovorus). They are not, however, considered as true Fungi.

Class III. PHYCOMYCETES (lower or algal-fungi).

Order Mucoraceæ. Including most moulds except the ordinary green mould.

Order Peronosporaceæ.—Including "white rusts" and "downy mildews." Of considerable economic importance.

Order Saprolegniaceæ.—Aquatic moulds often parasitic on fish and causing much trouble in fish hatcheries.

Order Entomophthoraceæ.—Mostly parasitic on insects and are beneficial.

Order Chytridiaceæ.—Simple parasites affecting a few of the higher plants.

Class IV. DEUTEROMYCETES.—Commonly known as "imperfect fungi," of which there are three orders. Many of these are probably stages in the development of ascomycetous fungi. A few are of considerable economic importance; but comparatively little is known of their life histories.

Class V. ASCOMYCETES (spore-sac fungi).

Order Saccharomycetaceæ.—Yeast plants.

Order Pyrenomycetaceæ.

Family Perisporiaceæ.—Including the "powdery mildews," which are of considerable economic importance.

Family Sphaeriaceæ.—Includes the "black knot." Mostly saprophytic forms.

Family Hypocreaceæ.—Includes the ergot of grain.

Family Dothideaceæ.
Family Microthyriaceæ.
Family Lophiostomaceæ.
Family Hysteriaceæ.
} Many saprophytic forms. Of little economic importance.

Family Laboulbeniaceæ.—Minute fungi found on insects. No economic importance. Their position in classification is uncertain.

2. By Professor F. L. Harvey.

UNIVERSITY OF CALIFORNIA

Order Discomycetaceæ.

Family Helvellaceæ.—Fleshy fungi, some edible.

Family Pezizaceæ.
Family Dermateaceæ.
Family Bulgariaceæ.
Family Stictidaceæ.
Family Phacidiaceæ.
Family Patellariaceæ.
} Cup or saucer shaped fungi, mostly fleshy; but few of economic importance. Phacidiaceae parasitic on leaves.

Family Gymnoascaceæ.—"Leaf-curl" and "plum-pockets." Of considerable economic importance.

Family Caliciaceae.—No economic importance.

Class VI. BASIDIOMYCETES.

Order Ustilaginaceæ.—Smuts, parasitic on corn and grain.

Order Uredinaceæ.—Rusts, parasitic on higher plants.

Order Hymenomycetaceæ.

Family Agaricaceæ.—Toadstools and mushrooms. Gills on the under side.

Family Polyporaceæ.—The woody or bracket fungi. Pores on the under side.

Family Hydnaceæ.—Toadstool—like forms with spines.

Family Clavariaceæ.—Club or coral like forms.

Family Thelephoraceæ.—Ear-fungi; mostly on rotten wood.

Family Tremellaceæ.—Soft, waxy or gelatinous fungi.

Order Gasteromycetaceæ.

Family Phallaceæ.—Stink-horn fungi.

Family Nidulariaceæ.—Bird's-nest fungi.

Family Lycoperdaceæ.—Puff-balls and earth-stars.

WASHINGTON, D. C., November 1, 1901.

CLASS I. MYXOMYCETAE

ORDER MYXOMYCETACEÆ

FAMILY DIDYMIACEÆ.

BADHAMIA CAPSULIFERA (Bull.) Berk. Orono, 10-1896, (O. W. Knight).

BADHAMIA FASCICULATA (Jungh.) Rost. On dead gray birch, Orono, 9-1890, (Harvey).

BADHAMIA HYALINA (Pers.) Berk. On decaying wood, Cumberland, (Blake). On decaying wood, Orono, 10-1896, (Harvey).

BADHAMIA MACROCARPA (Ces.) Rost. On logs, low ground, Orono, 10-1896, (Harvey).

BADHAMIA RUBIGINOSA (Chev.) Rost. On moss and sticks, Orono, 10-1895, (Merrill). On base of fir tree, Orono, 9-1896, (Harvey).

BADHAMIA SUBAQUILA (Macbr.) Orono, 10-1896, (Harvey). This species was first named as B. verna Rost., by A. P. Morgan, and was so given in Professor Harvey's list. Professor Macbride believes it to be a new species, and describes it as above, in his North American Slime Moulds.

BADHAMIA UTRICULOSA (Bull.) Berk. On fallen logs, Orono, 10-1896, (Harvey).

CRATERIUM LEUCOCEPHALUM (Pers.) Ditm. East Auburn, 11-1896, (Merrill).

CRATERIUM MINUTUM (Leers.) Fr. On decaying leaves. Orono, 9-1896, (Merrill). On decaying leaves, East Auburn, 7-1897, (Merrill).

FULIGO SEPTICA (Link.) Gmel. Rangeley, (Rex). Orono, 1890; Greenfield, 9-1895, (Harvey).

LEOCARPUS FRAGILIS (Dicks.) Rost. Rangeley, (Rex). Orono, 10-1896, (Harvey). East Auburn, 11-1896, (Merrill).

PHYSARUM CAESPITOSUM Schw. (*P. citrinellum Pk.*) Greenfield, 10-1895, (Harvey).

PHYSARUM CINEREUM (Batsch.) Pers. Rangeley, (Rex).

PHYSARUM CITRINUM Schum. Oldtown, 1898, (Harvey).

PHYSARUM CONTEXTUM Pers. Rangeley, (Rex). Orono; Greenfield, 10-1896, (Harvey).

PHYSARUM DIDERMA Rost. Orono, 10-1896, (Harvey).

PHYSARUM FLAVICOMUM Berk. (*P. cupripes B. & Br.*) Orono, 8-1896, (Harvey).

PHYSARUM GLOBULIFERUM (Bull.) Rost. Under bark of a standing birch, Orono, 10-1896, (Harvey). On fallen hemlock, East Auburn, 11-1896, (Merrill).

* PHYSARUM IMITANS Racib. On moss, Orono, 10-1896, (Harvey).

PHYSARUM LEUCOPHAEUM Fr. (*P. connexum Lk.*) Orono, 10-1896, Greenfield, 10-1896, (Harvey).

PHYSARUM LEUCOPS (Link.) Rost. On fallen leaves, Monmouth, 7-1897, (Merrill).

PHYSARUM MUSCORUM (A. & S.) Berk. (*Fuligo muscorum A. & S.*) Eastport, (Farlow).

PHYSARUM OBRUSSEUM (B. & C.) Rost. Orono, 1897, (Harvey).

PHYSARUM ORNATUM Peck. Orono, 10-1896, (Harvey).

PHYSARUM PENETRALE Rex. Rangeley, (Rex).

PHYSARUM PITTACINUM Ditm. East Auburn, 7-1897, (Merrill).

PHYSARUM RUFIPES (A. & S.) Morg. (*Cytidium rufipes A. & S.*) On decaying leaves, Orono, 10-1896, (Harvey). On decaying leaves, East Auburn, 11-1896, (Merrill).

PHYSARUM SINUOSUM (Bull.) Rost. Rangeley, (Rex). Monmouth, 7-1897, (Merrill).

PHYSARUM VIRESCENS Ditm. Rangeley, (Rex).

TILMADOCHE COMPACTA Wing. (*T. columbina (Berk.) Rost.*) On birch log, Oldtown, 8-1898, (Harvey).

TILMADOCHE NUTANS (Pers.) Rost. Rangeley, (Rex). Orono, 9-1896, (Harvey).

TILMADOCHE VIRIDIS (Bull.) Sacc. Rangeley, (Rex.) Orono, 9-1895, (Harvey).

FAMILY DIDYMIACEAE

CHONDRIODERMA MICHELII (Lib.) Rost. Rangeley, (Rex).

CHONDRIODERMA RADIATUM (L.) Rost. On hemlock bark, Orono, (Harvey). On hemlock bark, East Auburn, 10-1896, (Merrill). On fallen leaves, Monmouth, 7-1897, (Merrill).

CHONDRIODERMA SAUTERI Rost. Seal Harbor, (Rex).

CHONDRIODERMA SPUMARIOIDES (Fr.) Rost. On decaying leaves, East Auburn, 11-1896, (Merrill).

CHONDRIODERMA TESTACEUM (Schr.) Rost. Rangeley, (Rex). Monmouth, 7-1897, (Merrill).

DIDYMIUM CLAVUS (A. & S.) Rost. Rangeley, (Rex).

DIDYMIUM EFFUSUM (Link.) Fr. Rangeley, (Rex).

DIDYMIUM EXIMIUM Peck. Orono, 1889, (Harvey).

DIDYMIUM FARINACEUM Schrad. Rangeley, (Rex). Orono; West Sister Is., Penobscot Bay, 8-1886, (Harvey).

DIDYMIUM MICROCARPUM (Fr.) Rost. Cumberland; Wells, (Blake). Bar Harbor, (Rex).

DIDYMIUM PROXIMUM B. & C. Beech woods, Orono, 10-1896, (Harvey).

LEPIDODERMA TIGRINUM (Schrad.) Rost. In moss, on tree trunk, Orono, 10-1896, (Harvey).

FAMILY SPUMARIACEÆ.

DIACHAEA LEUCOPODA (Bull.) Rost. (*D. elegans Fr.*) Rangeley, (Rex). Monmouth, 7-1897, (Merrill).

DIACHAEA THOMASII Rex. Kittery, 8-1895, (R. Thaxter).

SPUMARIA ALBA (Bull.) DC. On moss, Pamadumcook Lake, 10-1895, (Harvey). On sticks, Orono, 10-1896, (Harvey). On grass, East Auburn, 11-1896, (Merrill). On sticks, Katahdin Iron Works, 10-1899, (Harvey)

FAMILY STEMONITACEÆ.

COMATRICHA AEQUALIS Peck. On rotten wood, Orono, 10-1896, (Ricker). On charred logs, Oldtown, 10-1897, (Harvey).

COMATRICHA FRIESIANA (DeBy.) Rost. (*C. obtusa Preuss.*) Bar Harbor, (Rex). Orono, 10-1896; Greenfield, 10-1896, (Harvey).

COMATRICHA IRREGULARIS Rex. Oldtown, 9-1895; Greenfield, 10-1896, (Harvey). East Auburn, 11-1897, (Merrill).

COMATRICHA SUKSDORFII E. & E. East Auburn, 11-1896, (Merrill).

COMATRICHA TYPHINA (Roth.) Rost. Portland, (Fuller). Grev. 5: 150. Rangeley, (Rex). Orono, (Harvey).

LAMPRODERMA ARCYRIOIDES (Somm.) Rost. Rangeley, (Rex).

LAMPRODERMA ARCYRIONEMA Rost. On rotten wood, Orono, 1897, (Harvey).

LAMPRODERMA COLUMBINUM (Pers.) Rost. Greenfield, 10-1894; Orono, 10-1896, (Harvey).

LAMPRODERMA PHYSAROIDES (A. & S.) Rost. Rangeley, (Rex). Greenfield, 9-1895, (Harvey).

LAMPRODERMA SCINTILLANS (B. & Br.) List. On decaying wood, East Auburn, 11-1896, (Merrill).

LAMPRODERMA VIOLACEUM (Fr.) Rost. Greenfield, 10-1885; Orono, 10-1896, (Harvey).

STEMONITIS FERRUGINEA Ehrh. Rangeley, (Rex). Orono, 8-1890; Greenfield, 10-1895, (Harvey). Monmouth, 7-1897, (Merrill).

STEMONITIS FUSCA Roth. Otisfield; Harrison, (Blake). Rangeley, (Rex). Orono; Oldtown, (Harvey).

STEMONITIS HERBATICA Pk. On fallen tree trunks, Greenfield, 10-1895, (Harvey).

STEMONITIS SMITHII Macbr. Greenfield, 10-1895; West Sister Is., Penobscot Bay, 8-1896, (Harvey).

FAMILY AMAUROCHAETACEÆ.

AMAUROCHAETE ATRA (A. & S.) Rost. (*Reticularia atra Fr.*) Maine, (Fuller). Herb. Port. Soc. Nat. Hist.

FAMILY LICEACEÆ.

LICEA MINIMA Fr. Cumberland, (Blake). Orono, 10-1896, (Harvey).

LINDBLADIA EFFUSA (Ehr.) Rost. Cumberland, (Blake). Orono, 9-1897, (Harvey). East Auburn, 7-1897, (Merrill).

ORCADELLA OPERCULATA Wingate. On trunks red-oak, Maine, (Wingate). Proc. Phil. Acad. Sci. 1889:280.

TUBULINA CYLINDRICA (Bull.) DC. Cumberland, (Blake). Rangeley, (Rex). Orono; Greenfield; Jackman, (Harvey).

FAMILY CLATHROPTYCHIACEÆ.

ENTERIDIUM SPLENDENS Morgan. (*E. Roseanum Wing.*) Orono, 10-1896; Greenfield; Bradley, (Harvey). East Auburn, 11-1896, (Merrill).

FAMILY CRIBRARIACEÆ.

CRIBRARIA ARGILLACEA Pers. Among moss, Monmouth, 7-1897, (Merrill).

CRIBRARIA AURANTIACA Schrad. Orono, 10-1897, (Harvey).

CRIBRARIA INTRICATA Schrad. Rangeley, (Rex).

CRIBRARIA PURPUREA Schrad. Greenfield, 10-1894, (Harvey). East Auburn, 10-1896, (Merrill).

CRIBRARIA TENELLA Schrad. Bar Harbor, (Rex).

DICTYDIUM CERNUUM (Pers.) Nees. Rangeley, (Rex). Orono, 10-1896; East Auburn, 1897, (Merrill).

FAMILY RETICULARIACEÆ.

RETICULARIA LYCOPERDON Bull. Orono, 10-1896, (Harvey). East Auburn, 11-1896, (Merrill).

FAMILY PERICHAENACEÆ.

PERICHAENA DEPRESSA Lib. Rangeley, (Rex).

PERICHAENA MARGINATA Schw. Orono, 9-1896, (Harvey). East Auburn, 11-1896, (Merrill).

PERICHAENA MICROCARPA Schroet. Orono, 10-1896, (Harvey).

FAMILY ARCYRIACEÆ.

ARCYRIA ADNATA (Batsch.) Rost. Harrison, (Blake). Rangeley, (Rex). Orono; Oldtown, (Harvey).

ARCYRIA CINEREA (Bull.) Schum. Rangeley, (Rex). Orono; Jackman, (Harvey).

ARCYRIA FERRUGINEA Saut. Orono, 10-1893, (Harvey).

ARCYRIA IRREGULARIS Racib. Orono, 10-1896, (Harvey).

ARCYRIA NUTANS (Bull.) Grev. Greenfield; Jackman; Orono, 1897, (Harvey).

ARCYRIA ŒRSTEDII Rost. Rangeley, (Rex). Orono, 1896, (Harvey).

ARCYRIA POMIFORMIS (Roth.) Rost. Orono, 1890, (Harvey).

ARCYRIA PUNICEA Pers. Bar Harbor; Rangeley, (Rex). Orono; Oldtown, (Harvey).

CORNUVIA WRIGHTII (B. & C.) Rost. Rangely, (Rex).

LACHNOBOLUS OCCIDENTALIS Macbr. (*L. incarnatus (A. & S.) Macbr.*) Orono, 10-1898, (Harvey). This is not L. incarnatus (A. & S.) Schrt. For differences see Macbride, North American Slime-Moulds. p. 188.

LYCOGALA EPIDENDRUM (Buxb.) Fr. Mt. Katahdin, 7-1853, (Blake). Orono, (Harvey).

LYCOGALA FLAVO-FUSCUM (Ehrenb.) Rost. On decaying wood, Brunswick, 1896, (Kate Furbish).

OLIGONEMA NITENS (Lib.) Rost. Greenfield, 1890, (Harvey).

FAMILY TRICHIACEÆ.

DIANEMA HARVEYI Rex. On decorticated poplar, Orono, 9-1889, (Harvey).

HEMIARCYRIA CLAVATA (Pers.) Rost. On fallen trunks, Rangeley, (Rex). On fallen trunks, Orono; Greenfield, (Harvey). On decaying wood, Pea Cove, 10-1898, (Ricker).

HEMIARCYRIA LEIOCARPA Rost. On vegetable debris, Portland, (Bolles). Grev. 5:150.

HEMIARCYRIA PLUMOSA Morg. Oldtown, 9-1893, Orono, 10-1895, (Harvey).

HEMIARCYRIA RUBIFORMIS (Pers.) Rost. Cumberland, (Blake). Rangeley, (Rex). Orono, 1890, (Harvey).

HEMIARCYRIA SERPULA (Scop.) Rost. Bar Harbor, (Rex).

HEMIARCYRIA STIPATA (Schw.) Rost. Orono, 10-1890; Oldtown, 9-1895, (Harvey).

HEMIARCYRIA WYGANDII Rost. (*Trichia nana Mass.*). Orono, 10-1892, (Harvey).

HETEROTRICHIA GABRIELLÆ (Rav.) Mass. Ondead wood, East Auburn, 11-1896, (Merrill).

TRICHIA CHRYSOSPERMA (Bull.) DC. Rangeley, (Rex). Greenfield, 9-1895, (Harvey).

TRICHIA CONTORTA (Ditm.) Rost. Orono, 1890, (Harvey).

TRICHIA FALLAX Pers. Rangeley, (Rex). Orono, (Harvey).

TRICHIA FRAGILIS (Sow.) Rost. On decaying wood, East Auburn, 11-1896, (Merrill). On decaying wood, Westbrook, 11-1898, (Ricker).

TRICHIA INCONSPICUA Rost. Rangeley, (Rex). Orono, (Harvey).

TRICHIA PERSIMILIS Karst. (*T. affinis DeBy.*, *T. jackii Rost.*) Portland, Brev. 5:150. Greenfield, 9-1895, (Harvey).

TRICHIA RENIFORMIS Peck. Orono; Greenfield, 10-1896, (Harvey).

TRICHIA SCABRA Rost. Oldtown, 9-1895,; Orono, 10-1896, (Harvey).

TRICHIA SUBFUSCA Rex. Jackman, 9-1895, (Harvey).

TRICHIA VARIA Pers. Cumberland, (Blake). Rangeley, (Rex). Orono, 9-1889; Greenfield, 9-1895, (Harvey).

CLASS II. SCHIZOMYCETAE

BACILLUS SUBTILIS (Ehrenb.) Cohn. On unsterilized potatoes for cultures, Orono, 5-1900, (Ricker).

MICROCOCCUS AMYLOVORUS Burrill. On Pyrus communis, East Northport, 1894, (M. B. Whitney). Det. Harv.

SARCINA LUTEA Fluegge. On plate cultures from air, Orono, 5-1900, (Ricker).

CLASS III. PHYCOMYCETAE

ORDER MUCORACEÆ.

PHYCOMYCES NITENS (Agardh.) Kunze. On excrement of cat. Washington, 1897, (T. S. Bowen). Det. F. L. H.

RHIZOPUS NIGRICANS Ehrbg. On stale bread, Orono, (Harvey).

ORDER PERONOSPORACEÆ.

CYSTOPUS CANDIDUS (Pers.) Fr. On Dentaria diphylla, Maine, (Blake). On Capsella Bursa-pastoris, Orono, 10-1898, (Ricker).

PERONOSPORA SPARSA Berk. On Rosa sp. (cult.), in hothouse, Bangor, 4-1900, (Ricker).

PHYTOPHTHORA INFESTANS (Mont.) DeBy. On Solanum tuberosum, Orono, (Harvey). On Solanum tuberosum, Westbrook, 8-1897, (Ricker). On Lycopersicum esculentum, Machias, 7-1898, (Ricker).

PLASMOPARA VITICOLA (B. & C.) Berl. & DeToni. On Vitis riparia, Orono, 10-1900, (Ricker). On Ampelopsis quinquefolia, Orono, 10-1900, (Ricker).

ORDER SAPROLEGNIACEÆ.

GONAPODYA POLYMORPHA Thaxt. On submerged twigs, Kittery Pt., (R. Thaxter). Bot. Gaz. 1895:481.

GONAPODYA SILIQUAEFORMIS (Reinsch.) Thaxt. On decaying submerged apples, Kittery Pt., (R. Thaxter). Bot. Gaz. 1895, p. 480.

SAPROLEGNIA FERAX (Gruith.) Nees. On flies, in aquaria, Orono, 10-1897, (Ricker). On fish eggs, Monmouth, 10-1897, (Merrill).

ORDER ENTOMOPHTHORACEÆ.

EMPUSA APICULATA Thaxt. Maine, Thaxt. Entomoph. of U. S. p. 164.

EMPUSA CULICIS (A. Braun.) Wint. Maine, Thaxt. Entomoph. of U. S. p. 158.

EMPUSA FRESENII Nowak. Maine, Thaxt. Entomoph. of U. S. p. 168.

EMPUSA GRYLLI Fres. Maine, Thaxt. Entomoph. of U. S. p. 159.

EMPUSA LAGENIFORMIS Thaxt. Maine, Thaxt. Entomoph. of U. S. p. 169.

EMPUSA MUSCÆ (Fr.) Cohn. On Musa domestica, Orono, 10-1900, (Ricker).

EMPUSA PLANCHONIANA (Cornu.) Thaxt. Kittery, Thaxt. Entomoph. of U. S. p. 165.

ENTOMOPHTHORA APHIDIS Hoffm. Maine, Thaxt. Entomoph. of U. S. p. 175.

ENTOMOPHTHORA DIPTERIGENA Thaxt. Maine, Thaxt. Entomoph. of U. S. p. 179.

ENTOMOPHTHORA ECHINOSPORA Thaxt. Maine, Thaxt. Entomoph. of U. S. p. 180.

ENTOMOPHTHORA GEOMETRALIS Thaxt. Kittery, Thaxt. Entomoph. of U. S. p. 171.

ENTOMOPHTHORA OCCIDENTALIS Thaxt. Maine, Thaxt. Entomoph. of U. S. p. 171.

ENTOMOPHTHORA RHIZOSPORA Thaxt. Kitery, Thaxt. Entomoph. of U. S. p. 184.

ENTOMOPHTHORA SPHAEROSPERMA Fres. Maine, Thaxt. Entomoph. of U. S. p. 172.

ENTOMOPHTHORA TENTHREDINIUS Fres. Kittery, Thaxt. Entomoph. of U. S. p. 162.

ORDER CHYTRIDIACEÆ.

SYNCHYTRIUM DECIPIENS Farl. On Amphiocarp monoica. Orono, 7-1899, (Harvey). Det. P. L. R.

CLASS IV. DEUTEROMYCETAE.

ORDER HYPHOMYCETACEÆ.

FAMILY MUCEDINACEÆ.

ASPERGILLUS FLAVUS Lk. On rotten wood, Orono, 10-1897, (Ricker).

BOTRYOSPORIUM PULCHRUM Cda. On decaying tomato vines, Orono, 10-1898, (Ricker). Det. R. Thax.

GEOTRICHUM CANDIDUM Link. On decaying wood, Orono, 10-1896, (Harvey). Det. Ell.

GLOMERULARIA CORNI Pk. On Cornus canadensis, Orono, 5-1898, (Ricker).

MONILIA PENICELLATA E. & E. On decaying logs, Lewiston, (A. T. Jordan). Det. Ell. On decaying logs, Orono, (Harvey).

OIDIUM CHRYSANTHEMI Rbh. On Chrysanthemum sinensis. Orono, 12-1898, (Ricker).

OOSPORA SCABIES Thaxt. On Solanum tuberosum, Orono, (Harvey).

OOSPORA? Parasitic on mice, Sherman, 3-1900. Two mice were received in which one side of the head had been eaten away by the fungus, leaving a hard white granular mass. Microscopical examination showed this to be made up of short chains of

spores, about one micron in diameter. These refused to yield to culture in ordinary media, and unfortunately the specimens were lost before opportunity came for further study. Cats were said to be affected with the same disease. Joseph Leidy, in Proc. Phil. Acad. Sci. 25:260-261, notes a similar disease of mice which he refers to Torula or Oidium.

OVULARIA MONILIOIDES Ell. & Mart. On Myrica gale, Sandy Bay, 8-1895, (Harvey). Det. Ell. On Myrica gale, Oldtown, 6-1898, (L. H. Harvey).

PENICILLIUM GLAUCUM Lk. On stale bread, Orono, 10-1897, (Ricker).

RAMULARIA DIERVILLÆ, Pk. On Diervilla trifida, Westbrook, 7-1897, (Ricker).

RAMULARIA MENTHICOLA Sacc. On Mentha canadensis, Orono, 8-1891, (F. P. Briggs). Det. P. L. R.

RAMULARIA PLANTAGINIS E. & M. On Plantago major, Westbrook, 8-1899, (Ricker). On Plantago major, Orono, 10-1900, (Ricker).

RAMULARIA RANUNCULI Pk. On Ranunculus acris, Orono, 10-1900, (Ricker).

RAMULARIA TARAXACI Karst. On Taraxacum officinale, Westbrook, 9-1899, (Ricker).

SPOROTRICHUM OLIVACEUM (Lk.) Fr. On decaying wood, Orono, 10-1896, (Harvey).

TRICHODERMA LIGNORUM (Tode.) Harz. On Acer rubrum, Cumberland, (Blake). On Acer rubrum, Orono, (Harvey). On Acer rubrum, Pownal, 11-1897, (Stover).

TRICHOTHECIUM ROSEUM (Pers.) Link. On dead Acer rubrum, Cumberland; Wells, (Blake). On dead Acer rubrum, Orono, 12-1887, (Harvey).

FAMILY DEMATIACEÆ.

ALTERNARIA BRASSICÆ (Berk.) Sacc. On Brassica oleracea, Cumberland, 1858, (Blake). Det. Ell.

CERCOSPORA CIRCUMSCISSA Sacc. On Prunus serotina, Westbrook, 8-1899, (Ricker).

CERCOSPORA DEPAZEOIDES (Desm.) Sacc. On Sambucus nigra, Westbrook, 7-1897, (Ricker). On Sambucus nigra, Orono, 8-1900, (L. H. Harvey).

CERCOSPORA DIERVILLÆ E. & E. sp. nov. On leaves of Diervilla trifida, Orono, 10-1900, (Ricker, No. 762). Spots circular, scattered, small (2-3 m. m.), dirty white with a red border; hyphae cespitose, tufts scattered over the spots both above and below, olive-brown, continuous or sparingly septate, 80-110x4-5 μ; conidia obclavate, olive-brown, 2-4 septate, 50-60x5-6 μ.

The tufts are not effused but scattered singly and rather sparingly and are so compact as to be easily mistaken for perithecia.

CERCOSPORA NYMPHAEACEÆ C. & E. On Nymphaea odorata, Oldtown, 9-1900, (Ricker).

CERCOSPORA PLANTAGINIS Sacc. On Plantago major, Orono, 10-1900, (Ricker).

CERCOSPORA ROSAECOLA Pass. On Rosa sp. (cult.), Westbrook, 8-1900, (Ricker). On Rosa sp. (cult.), Orono, 10-1900, (Ricker).

CERCOSPORA SQUALIDA Pk. On Clematis Virginiana, Orono, 10-1900. (Ricker).

CERCOSPORA STACHYDIS E. & E. On Stachys palustris, Twobush Is., Penobscot Bay, 8-1896, (Harvey). Det. P. L. R.

CERCOSPORA VARIA Pk. On Viburnum cassanoides, Westbrook, 7-1897, (Ricker).

CLADOSPORIUM CUBISPORUM B. &. C. Maine, (Blake). Grev. 3:107.

CLADOSPORIUM EPIPHYLLUM (Pers.) Mart. On Quercus, Portland, (Fuller). Grev. 5:152.

CLADOSPORIUM GRAMINUM Corda. On grass, Orrington, 6-1896, (Harvey).

CLADOSPORIUM HERBARUM (Pers.) Link. On dead stems and leaves, Orono, 8-1889, (Harvey). Cumberland, 9-1857; Harrison, 9-1859, (Blake).

CLADOSPORIUM TYPHARUM Desm. On Typha latifolia, Orono, 11-1900, (Ricker).

CONIOTHECIUM TORULOIDES Cda. On Salix, Cumberland, 1857; Harrison, (Blake).

FUMAGO VAGANS Pers. On decaying wood, Cumberland, (Blake).

FUSICLADIUM DENTRITICUM (Wallr.) Fckl. On Pyrus malus, Orono, 3-1896, (Harvey).

*Helminthosporium inconspicuum brittanicum Grove. On Avena stativa, Augusta, 1894, (B. W. McKeen). Det. Ell. On Avena sativa, Orono, (Harvey).

Helminthosporium macrocarpum Grev. On Alnus, North Bridgton, 9-1859, (Blake).

Helminthosporium obclavatum Sacc. *N. A. F. No* 2079. On decaying wood, Orono, 12-1886, (Harvey).

Macrosporium cheiranthi (Lib.) Fr. On dead stems, Cumberland, 1857, (Blake).

Macrosporium solani Ell. & Mart. On Solanum tuberosum, Orono, 8-1897, (Ricker). Det. Ell.

Myxotrichum chartarum Kunze. *F. Col. No.* 1360. On paper, Orono, 12-1898, (Ricker).

Polythrincium trifolii Kze. On Trifolium pratense, Harrison, 9-1859, (Blake). On Trifolium pratense, Katahdin Iron Works, 11-1898, (Ricker). On Trifolium pratense, Orono, 11-1898, (Ricker). On Trifolium repens, Westbrook, 7-1898, (Ricker).

Septonema spilomeum Berk. On decaying wood, Limerick, 11-1859, (Blake).

Torula binalis C. &. Ell. On decaying wood, Wells, 5-1880, (Blake).

Zygodesmus fuscus Corda. On rotten wood, Cumberland, 9-1858, (Blake). On rotten wood, Orono, 10-1895, (Harvey).

Zygodesmus granulosus Peck. On rotten wood, Orono, 10-1895, (Harvey). Det. Pk.

Zygodesmus hydnoideus B. & C. On rotten wood, Orono, 9-1896, (Harvey).

Zygodesmus rubiginosus Pk. On decaying bark, Orono, 10-1896, (Harvey).

FAMILY STILBACEÆ.

Ceratium hydnoides (Jacq.) A. & S. On rotten wood, Wells, 1859, (Blake). On rotten wood, Oldtown, 10-1899, (Ricker). According to our present understanding of this form, it should be placed under the Myxomycetes, as Ceratiomyxa fruticulosa (Muell.) Macbr.

Heydenia fungicola Pk. On Polystictus abietinus, Jackman, 8-1895, (Harvey). Det. Pk.

Isaria carnea Schw. On rotten wood, Orono, 10-1896, (Harvey). Det. Pk.

Isaria farinosa (Dicks.) Fr. On the ground, Cumberland, (Blake).

Sporocybe persicæ (Schw.) Fr. On Prunus cerasus, Cumberland, (Blake).

Sporocybe rhois (B. & C.) Sacc. On Rhus typhina, Cumberland, (Blake). On Rhus typhina, Orono, 4-1900, (Ricker).

Stilbum glomerulisporum E. & E. *N. A. F. No. 3597.* On Picea nigra, Orono, 12-1896, (Harvey). Issued as above, but never described. It is doubtful if this is a Stilbum.

Stilbum vulgare Tod. On decaying turnip, Cumberland, (Blake). On dead wood, Maine, (Sprague). Grev. 3:63.

FAMILY TUBERCULARIACEÆ.

Aegerita cordae Sacc.? Orono, 10-1896, (Harvey). Doubtfully referred to this form by A. P. Morgan.

Bactridium ellish Berk. On rotten wood, Orono, 10-1896, (Harvey). Det. Ell.

Dendrodochium compressum E. & E. On decaying Pine logs, Orono, 1897, (Harvey). Det. Ell.

Epicoccum scabrum Cda. On Typha latifolia, Orono, 11-1900, (Ricker). Det. Ell.

Epicoccum sphaerospermum Berk. On Typha latifolia, 12-1857, (Blake).

Fusarium berenice, (B. & C.) Sacc. Parasitic in a Peziza, Harrison, 8-1858, (Blake). Parasitic in a Peziza, Orono, 10-1896, (Harvey). Det. Ell.

Hymenopsis trochiloides Sacc. On grass, Orrington, 6-1896, (Harvey). Det. Ell.

Illosporium roseum (Schreb.) Mart. Parasitic on a lichen, Wells, 1880, (Blake).

Periola tomentosa Fr. On Brassica campestris, Cumberland, (Blake).

Tubercularia dubia Link. On Pinus, Wells, 2-1860, (Blake).

TUBERCULARIA GRANULATA Pers. On Robinia pseudacacia, Cumberland, (Blake).

TUBERCULARIA NIGRICANS (Bull.) Link. On Rubus (raspberry), Orono, 12-1889, (Harvey).

ORDER SPHAEROPSIDACEÆ.

FAMILY SPHAERIOIDACEÆ.

ACTINONEMA ROSÆ (Lib.) Fr. On Rosa (cult.), Westbrook, 8-1900, (Ricker).

APOSPHAERIA HEMISPHAERICA (A. & S.) Sacc. On Pinus, Wells, 10-1859, (Blake).

APOSPHAERIA CLYPEATA (C. & Ell.) Sacc. On dead wood, Maine, (Blake). Grev. 5:33.

APOSPHAERIA HYSTRELLA Sacc. On Pinus, Wells, (Blake).

CEUTHOSPORA SP.? On Fragaria virginiana, Orono, 10-1900, (Ricker).

CYTISPORA CARNEA E. & E. On Tilia americana, Orono, (Harvey). Det. Ell.

CYTISPORA CHRYSOSPERMA (Pers.) Fr. On Populus tremuloides, Orono, 1890, (Harvey). Det. Ell.

CYTISPORA EXASPERANS E. & E. On Acer rubrum, Orono, 1896, (Harvey). Det. Ell.

CYTISPORA FUGAX (Bull.) Fr. On Fraxinus americana, Cumberland, (Blake).

CYTISPORA LEUCOSPERMA (Pers.) Fr. On Populus, Cumberland, (Blake).

CYTOSPORA NIVEA (Hoffm.) Sacc. On Populus tremuloides, Oldtown, 9-1900, (Ricker). Det. Ell.

CYTISPORA PINASTRI Fr. On Pinusilvestris, Orono, 10-1900, (Ricker).

CYTISPORA RHUINÆ Schw. On Rhus, Maine, (Blake). Grev. 2:99. I have been unable to find any other reference to this species. There is, however, a C. rhoina Fr., On Rhus, which may be the same.

DARLUCA FILUM (Biv.) Cast. On Puccinia clintonii, Basin Mills, 5-1898, (Merrill). Det. Farl.

DENDROPHOMA PRUINOSA (Fr.) Sacc. On Fraxinus, Cumberland, 2-1859, (Blake).

DENDROPHOMA SAMBUCI (B. & C.) Sacc. On Sambusus, Maine, (Blake). Grev. 2:179.

DIPLODIA MICROSPORA B. & C. On Philadelphus coronarius, Orono, 10-1897, (Ricker). Det. Ell.

ENDOBOTRYA ELEGANS B. &. C. On Fagus ferruginea, Portland, (Sprague). In Blake Herb.

HENDERSONIA LIRELLA Cke. On Spiraea ulmaria, Orono, 12-1887, (Harvey). Det. Ell.

MICROPERA DRUPACEARUM Lev. Maine, (Morse). Grev. 2:100.

PHOMA ACUUM C. &. E. On Pinus silvestris, Orono, 10-1900. (Ricker). Det. Ell.

PHOMA ASTERISCUS Berk. On Heracleum lantanum, Orono, 8-1895, (Harvey). Det. Ell.

PHOMA LANDEGHEMIÆ (Nits.) Sacc. On Philadelphus coronarius, Orono, 10-1897, (Ricker). Det. Ell.

PHOMA ORTHOSTICHA E. & E. On Typha latifolia, Orono, 11-1899, (Ricker).

PHOMA PULCHELLA (B. & C.) Sacc. On Rhus typhina, Cumberland, (Blake).

PHOMA STROBILIGENA Desm. *F. Col. No. 1340.* On Picea excelsa, Orono, 12-1898, (Ricker). Det, Ell. On Pinus silvestris, Orono, 12-1898, (Ricker). Det. Farl.

PHYLLOSTICTA ACERICOLA C. & E. On Acer rubrum, Westbrook, 7-1899, (Ricker). On Acer rubrum, Orono, 10-1900, (Ricker).

PHYLLOSTICTA CARYÆ Pk. On Carya, Maine, Ellis, N. A. Phyllostictas. p. 35.

PHYLLOSTICTA DECIDUA Ell. & Kell. On Mentha canadensis, Bradley, 10-1899, (Ricker). Det. Ell. On Mentha sativa, Westbrook, 7-1900, (Ricker).

PHYLLOSTICTA GAULTHERIÆ, E. & E. On Gaultheria procumbens, Orono, 12-1897, (Harvey). Det. Ell.

PHYLLOSTICTA LAPPÆ Sacc. On Arctium lappæ, 10-1900, (Ricker). Det. Ell.

PHYLLOSTICTA NEGUNDINIS Sacc. & Speg. On Negundo, aceroides, Orono, 11-1900, (Ricker). Det. Ell.

PHYLLOSTICTA SMILACIS E. & M. On Smilax herbacea, Oldtown, 8-1899, (Harvey). Det. Ell.

PHYLLOSTICTA TINEA Sacc. On Viburnum lantanoides, Orono, 5-1899, (Ricker). Det. Ell.

RABENHORSTIA TILIÆ Fr. On Tilia americana, Orono, 10-1896, (Ricker). Det. Ell.

SEPTORIA ACERINA Pk. On Acer pennsylvanicum, Orono, 7-1899, (Harvey). Det Ell.

SEPTORIA CONSPICUA E. &. M. On Steironema ciliatum, Orono, 10-1900, (Ricker).

SEPTORIA DALIBARDÆ Pk. On Dalibarda repens, East Auburn, 7-1898, (Merrill). Det. Harv.

SEPTORIA DIERVILLICOLA E. & E. On Diervilla trifida, Westbrook, 7-1897, (Ricker). Det. Ell.

SEPTORIA DIVARICATA E. & E. On Phlox paniculata, Orono, 9-1897, (Ricker).

SEPTORIA ERIGERONTEA Pk. On Erigeron, Westbrook, 8-1899, (Ricker).

SEPTORIA GROSSULARIÆ (Lib.) West. On Ribes grossulariae, Westbrook, 8-1899, (Ricker).

SEPTORIA INCRESCENS Pk. On Trientalis americana, Fryeburg, 8-1897, (Harvey).

SEPTORIA LACTUCICOLA E. & M. On Lactuca integrifolia, Westbrook, 9-1898, (Ricker).

SEPTORIA LOBELIÆ Pk. On Lobelia inflata, Westbrook, 8-1895, (A. H. Norton). Det. Harv.

SEPTORIA NABALI B. & C. On Prenanthes serpentaria, Westbrook, 7-1899, (Ricker).

SEPTORIA OENOTHERÆ West. On Oenothera fruticosa, Orono, 8-1898, (Harvey). Det. P. L. R.

SEPTORIA PENTASTEMONIS E. &). On Pentstemon laevigatus, Brunswick, 7-1899, (Ricker).

SEPTORIA PISI West. On Psium sativum, Orono, 10-1897, (Harvey).

SEPTORIA POLYGONORUM Desm. On Polygonum persicaria, East Auburn, 8-1898, (Merrill).

SEPTORIA RHODODENDRI Cke. On Rhododendron, Maine, (Fuller). Grev. 5:151.

SEPTORIA RUBRI West. On Rubus villosus, Brunswick, 8-1899, (Ricker).

SEPTORIA SACCHARINA E. & E. On Acer saccharinum, Orono, 7-1899, (Harvey). Det. P. L. R.

SEPTORIA SCUTELLARIÆ Thum. On Scutellaria galericulata, Brunswick, 8-1899, (Ricker).

SEPTORIA SII Rob. & Desm. On Sium cicutifolium, Westbrook, 7-1899, (Ricker).

SEPTORIA SONCHIFOLIA Cke. On Sonchus asper, Orono, 7-1899, (Harvey). Det. P. L. R.

SEPTORIA WILSONI Clint. On Chelone glabra, So. Chesterville, 7-1899, (Miss Eaton). Det. P. L. R.

SPHAEROGRAPHIUM FRAXINI (Pk.) Sacc. On Fraxinus americana, Orono, 6-1899, (Ricker).

SPHAERONEMA ACERINUM Pk. On Acer rubrum, Orono, 6-1900, (Ricker).

SPHAEROPSIS ROBINIÆ Ell. & Dearn. On Robinia pseudacacia, Cumberland, (Blake).

VERMICULARIA COPTINA Pk. On Coptis trifolia, Orono, 6-1898, (Ricker).

VERMICULARIA POLYGONATI Schw. On Polygonatum biflorum, Ea. Auburn, 7-1898, (Merrill).

FAMILY LEPTOSTROMACEÆ.

DISCOSIA ARTOCREAS (Tode.) Fr. On Betula populifolia, Cumberland, 4-1857, (Blake). On Quercus rubra, Westbrook, 7-1899, (Ricker). On Abies balsamea, Orono, 10-1900, (Ricker).

ENTOMOSPORIUM MACULATUM Lev. On Pyrus communis, Portland, 1892, (A. D. Morse). Det. Harv. On Pyrus communis, Belfast, 1894, (J. G. Brooks). Det. Harv.

LEPTOSTROMA FILICINUM Fr. On Osmunda, Harrison, 8-1858, (Blake).

LEPTOSTROMA PTERIDIS Ehrenb. On Pteris aquilina, Cumberland, 4-1857, (Blake).

LEPTOSTROMELLA ELASTICA E. & E. On Ficus elastica, (greenhouse), Orono, 9-1899, (Ricker).

LEPTOTHYRIUM POMI (Mont. & Fr.) Sacc. On Pyrus malus, Wells, (Blake). On Pyrus malus, Orono, 10-1898, (Ricker).

LEPTOTHYRIUM VULGARE (Fr).) Sacc. On dead stems, Cumberland, 4-1857, (Blake).

PIGGOTIA FRAXINI B. & C. On Fraxinus americana, Westbrook, 9-1899, (Ricker). On Fraxinus americana, Orono, 10-1900, (Ricker).

FAMILY EXCIPULACEÆ.

DINEMASPORIUM STRIGOSUM (Fr.) Sacc. On Solidago, Maine, (Blake). On Fraxinus, Wells, (Blake).

DISCELLA CARBONACEA (Fr.) B. & Br. On Salix, Cumberland, (Blake).

ORDER MELANCONIACEÆ.

CORYNEUM MICROSTICTUM B. & Br. On Rubus strigosus, Cumberland, (Blake).

CORYNEUM PULVINATUM Kunze. & Schm. So. Paris, Proc. Bost. Soc. Nat. Hist., 5:329.

GLOEOSPORIUM LINDEMUTHIANUM Sacc. & Mag. On Phaseolus vulgaris, Kennebunk, 1893, (E. T. Perkins). Det. Harv. On Phaseolus vulgaris, Westbrook, 8-1899, (Ricker).

GLOEOSPORIUM PHOMOIDES Sacc. On Lycopersicum esculentum, Orono, (Harvey).

GLOEOSPORIUM VENETUM Speg. On Rubus, Blue Hill, (H. H. Osgood). Det. Harv.

GLOEOSPORIUM VERSICOLOR B. & C. On Pyrus malus, Orono, 3-1896, (Harvey).

LIBERTELLA BETULINA Desm. On Betula populifolia, Orono, 1894, (Harvey). Det. Ell.

LIBERTELLA FAGINEA Desm. *N. A. F. No.* 3278. On Fagus ferruginea, Orono, 9-1896, (Harvey).

MARSONIA MARTINI Sacc. & Ell. On Quercus ilicifolia, Westbrook, 8-1899, (Ricker). Det. Ell.

MELANCONIUM BICOLOR Nees. On Betula populifolia, Cumberland, (Blake).

MELANCONIUM OBLONGUM Berk. On Juglans cinerea, Orono, 9-1896, (Ricker). Det. Ell.

MELANOSTROMA MINUTA Cda. On dead wood, Orono, 10-1896, (Harvey).

Myxosporium nitidum B. & C. On Cornus, Cumberland, 11-1857, (Blake). On Cornus, alternifolia, Katahdin Iron Works, 11-1898, (Ricker).

Myxosporium rhois (B. & C.) Sacc. Maine, (Blake). Grev. 2:157.

Naemospora crocea (Bon.) Sacc. On Betula populifolia, Wells, 1880, (Blake).

Steganosporium piriforme (Hoffm.) Corda. On Acer rubrum, Cumberland, (Blake). On Acer rubrum, 10-1896, (Harvey).

CLASS V. ASCOMYCETAE.

ORDER SACCHAROMYCETACEÆ.

Saccharomyces rosaceus Frankl. On plate cultures from air, Orono, 4-1900, (Ricker).

ORDER PYRENOMYCETACEÆ.

FAMILY PERISPORIACEÆ.

Asterina celastri E. & K. On Celastrus scandens, Orono, 9-1892, (F. P. Briggs). Det. Hary. On Celastrus scandens, Westbrook, 7-1899, (Ricker).

Asternia gaultheriæ Curtis. On Gaultheria procumbens, Orono, 5-1898, (Ricker).

Capnodium pini B. & C. On Pinus, Diamond Cove, (Sprague). In Blake Herb.

Dimerosporium collinisii (Schw.) Thum. On Amelanchier canadensis, Wells, 8-1859, (Blake). On Amelanchier canadensis, Orono, 5-1897, (Merrill).

Erysiphe aggregata (Pk.) Farl. On fertile catkins, Alnus incana, Orono, 10-1900, (Ricker).

Erysiphe cichoracearum DC. On Aster macrophyllus, Orono, 10-1899, (Ricker).

ERYSIPHE COMMUNIS (Wallr.) Fr. On Delphinium elatum, Cumberland, 1857, (Blake). On Pisium sativum, Orono, 8-1886, (Harvey). On Clematis virginiana, Bradley, 10-1899, (Ricker). On Ranunculus acris, Orono, 10-1900, (Ricker).

ERYSIPHE GRAMINIS DC. (*Oidium monilioides Lk.*) On Poa pratensis, Westbrook, 7-1900, (Ricker). On Poa pratensis, Orono, 11-1900, (Ricker).

ERYSIPHE PHLOGIS Schw. On Phlox paniculata, Harrison, 9-1859, (Blake). On Phlox paniculata, Westbrook, 8-1900, (Ricker).

EUROTIUM HERBARIORUM (Wigg.) Lk. On poorly dried plants, Orono, 3-1897, (Harvey).

MICROSPHAERA DUBYI Lev. On Lonicera tartarica, Orono, 10-1900, (Ricker).

MICROSPHAERA EXTENSA C. & P. On Quercus rubra, Orono, 9-1897, (Harvey).

MICROSPHAERA FRIESII Lev. On syringa vulgaris, Orono, 9-1897, (Ricker).

MICROSPHAERA PENICILLATA (Wallr.) Lev. On Alnus incana, Orono, 11-1900, (Ricker).

MICROSPHAERA RUSSELLI Clint. On Oxalis stricta, Orono, 10-1900, (Ricker).

MICROSPHAERA VACCINII C. & P. On Vaccinium corymbosum, Jackman, 8-1895, (Harvey).

PHYLLACTINIA SUFFULTA (Reb.) Sacc. On Celastrus scandens, Orono, 9-1892, (F. P. Briggs). Det. Harv. On Cornus stolonifera, Orono, 10-1898, (Ricker). On Corylus rostrata, Orono, 10-1900, (Ricker).

PODOSPHAERA MINOR Howe. On Spiraea salicifolia, Orono, 10-1900, (Ricker).

PODOSPHAERA OXYACANTHÆ (DC.) DeBy. On Prunus virginiana, Orono, (Harvey).

SCORIAS SPONGIOSA (Schw.) Fr. On Alnus incana, Pea Cove. 10-1898, (Ricker).

SPHAEROTHECA CASTAGNEI Lev. On Bidens cernua, Oldtown, 9-1900, (Ricker).

*SPHAEROTHECA HUMULI (DC.) Burrill. Orono, (Harvey).

*SPHAEROTHECA MORS-UVAE (Schw.) B. & C. Orono, (Harvey.)

Uncinula americana Howe. On Vitis riparia, Orono, 9-1889, (Harvey).

Uncinula circinata C. & Pk. On Acer rubrum, Orono, 9-1889, (Harvey).

Uncinula salicis (DC.) Winter. On Salix cordata, Bradley, 10-1899, (Ricker). On Salix discolor, Orono, 10-1900, (Ricker).

FAMILY SPHAERIACEÆ.

Acanthostigma pulchrisetum (Pk.) Sacc. On decaying wood, Auburn, 11-1896, (Merrill). Det. Ell.

Aglaospora profusa (Fr.) De Not. On Robinia pseudacacia, Cumberland, (Blake).

Amphisphaeria applanata (Fr.) Ces. & De Not. On Pinus, Wells, (Blake).

Amphisphaeria oronoensis (E. & E.) Sacc. On rotten wood, Orono, 12-1886, (Harvey).

Anthostoma ellish Sacc. On Alnus, Wells, (Blake). Bull. Torr. Bot. Club, 8: 74.

Anthostoma microsporum Karst. On Betula, Wells, 1880, (Blake). On Alnus, Orono, 10-1896, (Harvey). Det. Ell.

Bertia moriformis (Tode.) De Not. On Abies balsamea, Orono, 11-1895, (Harvey). On Abies balsamea, Auburn, 8-1896, (Merrill).

Bombardia fasiculata Fr. On Betula, Cumberland, 10-1858, (Blake). On rotten wood, Orono, 10-1896, (Merrill).

Calosphaeria ciliatula (Fr.) Karst. On Betula populifolia, Orono, (Harvey). Det. Ell.

Calospora aculeans (Schw.) Sacc. On Rhus typhina, Cumberland, 12-1857, (Blake).

Ceratostoma spina (Schw.) Sacc. On Fraxinus, Cumberland, 1-1858, (Blake).

Chaetomium chartarum Ehrbg. On paper, Orono, 12-1898, (Ricker).

Cucurbitaria berberidis (Pers.) Gray. On Berberis vulgaris, Wells, (Blake).

Cucurbitaria elongata (Fr.) Grev. On Pinus, Cumberland, Wells, (Blake).

Cucurbitaria longitudinalis Pk. On Andromeda ligustrina, Wells, (Blake).

OF CALIFORNIA

DALDINIA CONCENTRICA (Bolt.) Ces. & De Not. On Fraxinus sambucifolia, Cumberland, 10-1858, (Blake). On dead limbs, Orono, 6-1898, (Ricker). On dead limbs, Ea. Auburn, 1897, (Merrill).

DALDINIA VERNICOSA (Schw.) Ces. & De Not. On dead limbs, Orono, 10-1899, (Ricker).

DIAPORTHE LEIPHAEMA (Fr.) Sacc. On Alnus, Cumberland, 11-1857, (Blake).

DIAPORTHE SALICELLA (Fr.) Sacc. Cumberland, (Blake). Orono, (Harvey).

DIAPORTHE SPICULOSA (A. & S.) Nits. Wells, 8-1859, (Blake).

DIAPORTHE SYNGENESIA (Fr.) Fckl. On Fagus, Cumberland, (Blake).

DIATRYPE DISCIFORMIS (Hoffm.) Fr. On Fagus ferruginea, Cumberland, (Blake).

DIATRYPE PLATYSTOMA (Schw.) Berk. On Acer rubrum, Orono, 1892, (Harvey).

DIATRYPE STIGMA (Hoffm.) Fr. On Betula, Cumberland, 4-1857; Wells, (Blake). Auburn, 1897, (Merrill.)

DIATRYPELLA BETULINA (Pk.) Sacc. *N. A. F. No.* 2347. On Betula populifolia, Orono, 9-1899, (Harvey).

*DIATRYPELLA DISCOIDEA Cke. & Pk. Orono, 1889, (Harvey).

DIATRYPE NIGRO-ANNULATA (Grev.) Nits. On Alnus, Cumberland, 1859, (Blake).

DIATRYPELLA QUERCINA (Pers.) Nits. On Quercus rubra, Harrison, 9-1859, (Blake).

DIATRYPELLA TOCCIAEANA SUBEFFUSA E. & E. On Alnus incana, Wells, (Blake). Journ. Mycol 4:62.

DIATRYPELLA VERRUCIFORMIS (Ehrh.) Nits. On Betula, Cumberland; Wells, (Blake).

EUTYPA SPINOSA (Pers.) Tul. On Acer, Cumberland, (Blake).

*EUTYPELLA CERVICULATA (Fr.) Sacc. Orono, (Harvey).

EUTYPELLA CORYNOSTOMA (B. & Rav.) Sacc. On Acer rubrum, Orono, 7-1896, (Harvey).

EUTYPELLA SIMILIS (Karst.) Sacc. Orono, 9-1896, (Harvey).

FRACCHIAEA CALLISTA B. & C. On Cornus alternifolia, Cumberland, (Blake).

GNOMONIA ERRABUNDA (Rob.) Awd. Portland, (Morse). Proc. Bost. Soc. Nat. Hist. 5:331.

GNOMONIA ULMEA (Sacc.) Thum. On Ulmus americana, Wells, 9-1859, (Blake). On Ulmus americana, Orono, (Harvey). On Ulmus americana, Westbrook, 9-1900, (Ricker).

GNOMONIA CORYLI (Batsch.) Sacc. On Corylus rostratus, Harrison, 9-1859, (Blake). On Corylus rostratus, Orono, 9-1900, (Ricker).

GNOMONIELLA FIMBRIATA (Pers.) Sacc. On Ostrya virginica, Harrison, 9-1859, (Blake).

HELMINTHOSPHAERIA CLAVARIARUM (Desm.) Fckl. On Clavaria spinulosa, Orono, 9-1895, (Harvey).

HERCOSPORA TILIACEA (Ell.) Sacc. On Tilia americana, Orono, (Harvey). Det. Ell.

HYPOXYLON COCCINEUM Bull. On Acer rubrum, Orono, 12-1887, (Harvey).

HYPOXYLON COHAERENS (Pers.) Fr. On Fagus ferruginea, Cumberland, 6-1859, (Blake). On Fagus ferruginea, Orono, (Harvey). On Fagus ferruginea, Westbrook, 5-1898, (Ricker).

HYPOXYLON ENTEROMELUM (Schw.) Berk. On Fagus ferruginea, Cumberland; Wells, (Blake).

HYPOXYLON FUSCUM (Pers.) Fr. On Alnus, Cumberland; Wells, (Blake). On Acer rubrum, Orono, (Harvey). On Acer rubrum, Westbrook, 6-1897, (Ricker).

HYPOXYLON FUSCO-PURPUREUM (Schw.) Berk. On decaying wood, Orono, 10-1895, (Harvey). Det. Pk.

HYPOXYLON GLOMIFORME B. & C. On Salix ?, Cumberland, (Blake).

HYPOXYLON MARGINATUM (Schw.) Berk. On Quercus, Maine Journ. Mycol. 4:68.

HYPOXYLON MORSEI B. & C. (*H. blakeii B. & C.*) On Betula, Wells, 4-1880, (Blake). On Alnus, Maine, (Morse). Grev. 4:51. On Salix, Cumberland, 1857, (Blake).

HYPOXYLON MULTIFORME Fr. On Betula lutea, Cumberland, 1859, (Blake). On Betula lutea, Orono, 1890, (Harvey).

HYPOXYLON PERFORATUM (Schw.) Fr. On Acer, Orono, 1-1888, (Harvey). Det. Ell.

Hypoxylon rubiginosum (Pers.) Fr. On Acer rubrum, Oldtown, 9-1897, (Harvey). On Acer rubrum, Auburn, 1897, (Merrill).

Hypoxylon turbinulatum (Schw.) Berk. On Fagus ferruginea, Oldtown, 7-1897, (Harvey).

Lasiosphaeria hirsuta (Fr.) Ces. & De Not. On dead wood, Oldtown, 8-1895, (Harvey). Det. Ell.

Lasiosphaeria mutabilis (Pers.) Fckl. On Alnus, Harrison, 8-1859, (Blake). On Quercus rubra, Wells, 9-1859, (Blake).

Lasiosphaeria ovina (Pers.) Ces. & De Not. On decaying bark, Auburn, 11-1896, (Merrill). Det. Ell. On decaying bark, Oldtown, 7-1897, (Harvey).

*Leptosphaeria comatella (C. & E.) Sacc. Cumberland, (Blake).

Leptosphaeria culmicola (Fr.) Karst. On grass, Orrington, 6-1896, (Harvey).

Leptosphaeria doliolum (Pers.) De Not. On Chenopodium album, Cumberland, (Blake). On Solidage lanceolata, Orono, 9-1899, (Ricker). Det. Ell.

Lizonia sphagni Cke. On dead Sphagnum, Maine, Grev. 18:86.

Massaria inquinans, (Tode.) Fr. On Acer, Orono, 12-1892, (Harvey).

*Massaria pupula (Fr.) Tul. Orono, (Harvey).

Massariella scoriadea (Fr.) Sacc. On Alnus, Wells, 2-1860, (Blake).

Melanconis stilbostoma (Fr.) Tul. On Pyrus malus, Cumberland; Wells, (Blake). * Orono, (Harvey).

Melanomma pulvis-pyrius (Pers.) Fckl. On Acer, Cumberland, (Blake). On decaying wood, Orono, 1896, (Harvey).

Metasphaeria sublanosa (Cke.) Sacc. On decaying wood, Oldtown, 8-1896, (Harvey). Det. Ell. On decaying wood, Auburn, 11-1896, (Merrill).

Ophiobolus porphyrogonus (Tode.) Sacc. On Acer, Cumberland, (Blake). On Acer, Orono, (Harvey).

Pleospora asparagi Rabh. On Asparagus officinalis, Wells, (Blake).

PSEUDOVALSA LANCIFORMIS (Fr.) Ces. & De Not. On Alnus, Cumberland; Wells, (Blake).

QUATERNARIA PERSOONII Tul. (*Valsa quaternata (Pers.) Fr.*) On Acer, Cumberland, 2-1859, (Blake). On Acer, Orono, (Harvey).

ROSELLINA DESMAZIERII (B. & Br.) E. & E. On Betula lutea, Cumberland, (Blake). On decaying wood, Wells; Harrison, (Blake.)

ROSELLINIA SUBICULATA (Schw.) Sacc. On decaying wood, Auburn, 11-1896, (Merrill). Det. Ell.

ROSELLINIA THELENA (Fr.) Rabh. On dead bark, Orono, 1895, (Harvey).

SPHAERELLA COLORATA Pk. On Kalmia angustifolia, Orono, 4-1898, (Ricker).

SPHAERELLA FRAGARIÆ (Tul.) Sacc. (*Ramularia tulasnei Sacc.*) On Fragaria Virginiana, Orono, 6-1898, (Ricker). On Fragaria virginiana, Bradley, 10-1899, (Ricker).

SPHAERELLA GAULTHERIÆ C. & P. On Gaultheria procumbens, Orono, 5-1898, (Ricker).

SPHAERELLA MACULIFORMIS (Pers.) Awd. On Vaccinium macrocarpon, Otisfield, 1859, (Blake). On Fraxinus, Cumberland, (Blake).

SPHAERELLA NEBULOSA (Pers.) Sacc. On Trifolium pratense, Cumberland, (Blake).

SPHAERELLA PACHYASCA Rost. On Diapensia lapponica, Mt. Katahdin, 9-1898, (Merrill).

SPHAERELLA PALUDOSA E. & E. On Nuphar advena, Oldtown, 9-1900, (Ricker).

SPHAERELLA PHILOCHORTA Cke. On grasses, Maine, Grev. 11:111.

SPHAERELLA SMILACICOLA (Schw.) Cke. Maine, (Morse). Proc. Bost. Soc. Nat. Hist. 6:319.

SPHAERIA COPTIS Schw. On Coptis trifolia, Orono, 5-1898, (Ricker).

SPHAERIA OBSCURA Schw. On Quercus rubra, Harrison, (Blake).

SPHAERIA RADICUM Schw. On Fagus ferruginea, Cumberland, (Blake).

SPHAERIA VERBASCICOLA Schw. On Verbascum thapsus, Orono, 4-1900, (Ricker).

TRICHOSPHAERIA FLAVIDA E. & E. On rotten wood, Orono, 8-1896, (Harvey). Det. Ell.

USTULINA VULGARIS Tul. On Quercus, Wells, 11-1880, (Blake). On Quercus, Ea. Auburn, 11-1896, (Merrill). On Quercus, Oldtown, 11-1896, (Harvey).

VALSA ABIETIS Fr. On Abies balsamea, Orono, 9-1897, (Harvey).

VALSA ALNI Pk. On Alnus, Wells, 1880; Cumberland, (Blake).

VALSA AMBIENS (Pers.) Fr. On Pyrus malus, Wells, 4-1880, (Blake). On Pyrus malus, Orono, 1895, (Harvey).

VALSA COLLICULUS (Wormsk.) Cke. On Abies balsamea, Cumberland, 10-1857, (Blake). On Pinus, Wells, (Blake).

*VALSA DEFORMIS (Fr.) Cke. Orono, (Harvey).

*VALSA MODESTA (Schw.) Cke. Cumberland, (Blake).

VALSA NIVEA (Hoffm.) Fr. On Populus tremuloides, Wells, 9-1880, (Blake).

*VALSA RUFESCENS (Schw.) E. & E. Cumberland, (Blake).

VALSA SALICINA (Pers.) Fr. Cumberland, (Blake).

*VALSA TRUNCATA C. & Pk. Wells, (Blake).

VALSARIA QUADRATA (Schw.) Sacc. On Quercus, Harrison, 10-1878; Wells, 1880, (Blake). On Acer, Orono, 12-1887, (Harvey).

*VENTURIA COMPACTA Pk. Orono, (Harvey).

VENTURIA DITRICHA (Fr.) Karst. On Betula populifolia, Orono, 4-1900, (Ricker).

VENTURIA PULCHELLA C. & Pk. On Cassandra calyculata, Sebago Lake, 7-1897, (Ricker). On Cassandra calyculata, Bangor Bog, 5-1900, (Stover).

XYLARIA CLAVULATA (Schw.) B. & C. On dead scale insect (Lecanium), on Fraxinus americana, Orono, 6-1899, (Stover).

XYLARIA CORNIFORMIS Fr. On ground in woods, Oldtown, 10-1899, (Ricker). Det. Ell.

XYLARIA FILIFORMIS (A. & S.) Fr. On dead limbs, Ea. Auburn, 1896, (Merrill). Det. Ell.

XYLARIA POLYMORPHA (Pers.) Grev. On Acer, Cumberland, (Blake). Brunswick, (Kate Furbish). On Acer, Westbrook, 7-1899, (Ricker).

CHILONECTRIA CUCURBITULA Sacc. On Acer, Orono, 8-1896, (Harvey).

CLAVICEPS PURPUREA (Fr.) Tul. On Calamagrostis canadensis, Orono, 8-1892, (Harvey). On Secale cereale, Westbrook, 8-1897, (Ricker).

CORDYCEPS MILITARIS (L.) Sacc. Cumberland, (Blake).

CORDYCEPS NIGRICEPS Pk. Saco (C. L. Fox.) Bull. Torr. Bot. Club, 27:20.

CORDYCEPS OPHIOGLOSSOIDES (Ehrh.) Link. Cumberland, (Blake).

EPICHLOE TYPHINA (Pers.) Tul. On Phleum pratense, Orono, 7-1890, (Harvey).

GIBBERELLA PULICARIS (Fr.) Sacc. On Philadelphus coronarius, Cumberland, (Blake).

HYPOCREA CONTORTA (Schw.) B. & C. On Alnus, Cumberland, 2-1859, (Blake.)

HYPOCREA GELATINOSA (Tode.) Fr. On decaying wood, Orono, 9-1896, (Harvey).

HYPOCREA RICHARDSONII B. & Mont. On Populus, Cumberland, 12-1857, (Blake). On Populus tremuloids, Orono, 5-1898, (Harvey).

HYPOCREA RUFA (Pers.) Fr. On decaying wood, Cumberland, (Blake). On decaying wood, Oldtown, 8-1895, (Harvey).

HYPOCREA TUBERIFORMIS B. & Rav. On decaying wood, Ea. Auburn, 7-1896, (Merrill). Det. Ell.

HYPOCRELLA HYPOXYLON (Pk.) Sacc. On grass stems, Maine Journ. Myccl. 2:67.

HYPOMYCES CANDICANS Plowr. On Spumaria alba, Orono, 10-1896, (Harvey). Det. Ell.

HYPOMYCES INAEQUALIS Pk. On stem of an Agaric, Maine. Bull. Torr. Bot. Club, 25:328.

HYPOMYCES LACTIFLUORUM (Schw.) Tul. On Lactarius, Wells, 1880, (Blake). On Lactarius, Orono, (Harvey).

HYPOMYCES ROSELLUS (A. & S.) Tul. On decaying wood, Orono, 1896, (Harvey). Det. Ell.

HYPOMYCES VIOLACEUS (Fr.) Tul. On Fuligo septica, Greenfield, 8-1895, (Harvey). Det. Pk.

MELANOSPORA CHIONEA (Fr.) Cda. Auburn, 1896, (Merrill.)

NECTRIA CINNABARINA (Tode.) Fr. (*Tubercularia vulgaris Tode.*) On decaying wood, Yarmouth, 11-1857, (Blake). On Robinia pseudacacia, Orono, (Harvey). On Philadelphus coronarius, Orono, 11-1897, (Ricker).

NECTRIA COCCINEA (Pers.) Fr. On Polyporus, Cumberland, (Blake).

NECTRIA CUCURBITULA (Tode.) Fr. On Pinus, Wells, (Blake). On Abies balsamea, Westbrook, 7-1897, (Ricker). On Abies balsamea, Pea Cove, 10-1898, (Ricker).

NECTRIA DISPERSA C. & E. Maine, (Blake). Grev. 5:33.

NECTRIA EPISPHAERIA (Tode.) Fr. On Hypoxylon, Maine, (Sprague). In Blake Herb. On Hypoxylon, Auburn, 1896, (Merrill). On Hypoxylon, Orono, 1897, (Harvey).

NECTRIA SAMBUCI E. & E. On Sambucus, Orono, 1897, (Harvey). On Sambucus, Ea. Auburn, 1897, (Merrill).

NECTRIA VULPINA Cke. On decaying wood, Oldtown, 8-1895, (Harvey).

FAMILY DOTHIDEACEÆ.

DOTHIDELLA BETULINA (Fr.) Sacc. On Betula populifolia, Harrison, 9-1859, (Blake).

DOTHIDELLA KALMIÆ (Pk.) Sacc. On Kalmia glauca, Bangor Bog, 5-1899, (Merrill).

PHYLLACHORA CARICIS (Fr.) Sacc. On Carex pedunculata, Orono, 6-1896, (Harvey).

PHYLLACHORA GRAMINIS (Pers.) Fckl. On Phleum pratense, Orono, 10-1895, (Harvey). On Danthonia spicata, Orono, 10-1895, (Harvey). On Muhlenbergia sylvatica, Westbrook, 9-1899, (Ricker).

PHYLLACHORA OXALINA E. & E. On Oxalis strictia, Orono, 10-1900, (Ricker).

PHYLLACHORA PTERIDIS (Reb.) Fckl. On Pteris aquilina, Mt. Desert, (J. H. Redfield). On Pteris aquilina, Orono, (Harvey).

PHYLLACHORA TRIFOLII (Pers.) Fckl. On Trifolium repens, Harrison, 9-1859, (Blake). On Trifolium pratense, Orono, 9-1898, (Ricker).

PHYLLACHORA ULMI (Duv.) Fckl. Harrison, (Blake).

PLOWRIGHTIA MORBOSA (Schw.) Sacc. On Prunus pennsylvanica, Orono, (Harvey). On Prunus pennsylvanica, Westbrook, 7-1898, (Ricker).

PLOWRIGHTIA RIBESIA (Pers.) Sacc. On Ribes rubrum, Cumberland, (Blake). On Ribes rubrum, Orono, 1896, (Harvey).

FAMILY MICROTHYRIACEÆ.

MICROTHYRIUM MICROSCOPICUM Desm. On Fraxinus, Cumberland, 1857, (Blake).

FAMILY LOPHIOSTOMACEÆ.

*LOPHIDIUM COMPRESSUM (Pers.) Sacc. Cumberland, (Blake).

FAMILY HYSTERIACEÆ.

ANGELINIA RUFESCENS (Schw.) Duby. On decaying wood, Orono, 9-1896, (Harvey). Det. Ell.

DICHAENA FAGINEA Fr. On Fagus ferruginea, Cumberland, (Blake). On Fagus ferruginea, Orono, 9-1897, (Harvey).

GLONIUM LINEARE (Fr.) De Not. On Pyrus malus, Wells, 2-1860, (Blake).

HYPODERMA COMMUNE (Fr.) Duby. On Aralia spinosa, Oldtown, 8-1899, (Ricker).

HYSTERIUM PULICARE Pers. On Acer, Cumberland, 2-1859, (Blake). On Acer rubrum, Ea. Auburn, 8-1897, (Merrill).

HYSTEROGRAPHIUM FRAXINI (Pers.) De Not. On Fraxinus, Cumberland, (Blake).

HYSTEROGRAPHIUM VULVATUM (Schw.) Rehm. On bark, Ea. Auburn, 1896, (Merrill). Det. Ell.

*LOPHODERMIUM ARUNDINACEUM CARICINUM (Rob.) E. & E. Orrington, 6-1896, (Harvey).

LOPHODERMIUM ARUNDINACEUM CULMIGENUM (Fr.) Fckl. On grass culms, Wells, (Blake). On grass culms, Orono, (Harvey).

LOPHODERMIUM JUNIPERINUM (Fr.) De Not. On Juniperus, Portland, (Fuller). Grev. 5:153.

LOPHODERMIUM PINASTRI (Schrad.) Chev. On Pinus strobus, Cumberland, (Blake). On Pinus strobus, Orono, 5-1898. (Ricker). On Picea nigra, Orono, 1-1899, (Ricker). On Thuja occidentalis, Orono, 12-1900, (Ricker).

AMORPHOMYCES FALAGRIAE Thaxt. Kittery Pt., Thaxt. Lab. p. 297.

CAMPTOMYCES MELANOPUS Thaxt. York, Thaxt. Lab. p. 275.

CANTHAROMYCES PUSILLUS Thaxt. York, Thaxt. Lab. p. 273.

CERATOMYCES CONFUSUS Thaxt. Kittery Pt., Thaxt. Lab. p. 375.

CERATOMYCES CONTORTUS Thaxt. Kittery Pt., Thaxt. Lab. p. 379.

CERATOMYCES FILIFORMIS Thaxt. Kittery Pt., Thaxt. Lab. p. 376.

CERATOMYCES FURCATUS Thaxt. Kittery Pt., Thaxt. Lab. p. 379.

CERATOMYCES HUMILIS Thaxt. Kittery Pt., Thaxt. Lab. p. 380.

CERATOMYCES MIRABILIS Thaxt. Kittery Pt., Thaxt. Lab. p. 375.

CERATOMYCES ROSTRATUS Thaxt. Kittery Pt., Thaxt. Lab. p. 378.

CERATOMYCES TERRESTRIS Thaxt. Kittery Pt., Thaxt. Lab. p. 377.

CHITONOMYCES AURANTIACUS Thaxt. Kittery Pt., Thaxt. Lab. p. 293.

CHITONOMYCES BIDESSARIUS Thaxt. Kittery Pt., Thaxt. Lab. p. 292.

CHITONOMYCES BOREALIS Thaxt. Kittery Pt., Thaxt. Lab. p. 293.

CHITONOMYCES MARGINATUS Thaxt. Maine, Thaxt. Lab. p. 290.

COMPSOMYCES VERTICILLATUS Thaxt. Kittery Pt., Thaxt. Lab. p. 367.

CORETHROMYCES JACOBINUS Thaxt. Kittery Pt., Thaxt. Lab. p. 304.

DICHOMYCES FURCIFERUS Thaxt. Kittery Pt., Thaxt. Lab. p. 282.

DICHOMYCES INAEQUALIS Thaxt. Kittery Pt., Thaxt. Lab. p. 283.

DIMORPHOMYCES DENTICULATUS Thaxt. Kittery Pt., Thaxt. Lab. p. 266.

DIMORPHOMYCES MUTICUS Thaxt. Kittery Pt.,Thaxt. Lab. p. 267.

HYDRAEOMYCES HALIPLI Thaxt. Kittery Pt., Thaxt. Lab. p. 294.

LABOULBENIA BRACHIATA Thaxt. York; Eastport; Thaxt. Lab. p. 349.

LABOULBENIA BRACHINI Thaxt. Maine, Thaxt. Lab. p. 332.

LABOULBENIA COMPACTA Thaxt. Maine, Thaxt. Lab. p. 346.

LABOULBENIA COMPRESSA Thaxt. Kittery Pt., Thaxt. Lab. p. 327.

LABOULBENIA CONTORTA Thaxt. Maine, Thaxt. Lab. p. 317.

LABOULBENIA CRISTATA Thaxt. Maine, Thaxt. Lab. p. 330.

LABOULBENIA ELEGANS Thaxt. Kittery, Thaxt. Proc. Am. Acad. Arts and Sci. 24:13.

LABOULBENIA FILIFERA Thaxt. Maine, Thaxt. Lab. p. 328.

LABOULBENIA HARPALI Thaxt. Kittery, Thaxt. Proc. Am. Acad. Arts and Sci. 24:13.

LABOULBENIA INFLATA Thaxt. Kittery Pt., Thaxt. Lab. p. 327.

LABOULBENIA LUXURIANS Peyritsch. Maine, Thaxt. Lab. p. 346.

LABOULBENIA MACROTHECA Thaxt. Maine, Thaxt. Lab. p. 325.

LABOULBENIA PARVULA Thaxt. Maine, Thaxt. Lab. p. 329.

LABOULBENIA PAUPERCULA Thaxt. Maine, Thaxt. Lab. p. 314.

LABOULBENIA PEDICILLATA Thaxt. Maine, Thaxt. Lab. p. 319.

LABOULBENIA POLYPHAGA Thaxt. Maine, Thaxt. Lab. p. 316.

LABOULBENIA RECTA, Thaxt. Maine, Thaxt. Lab. p. 330.

LABOULBENIA RIGIDA Thaxt. Maine, Thaxt. Lab. p. 315.

LABOULBENIA TERMINALIS Thaxt. Maine, Thaxt. Lab. p. 316.

LABOULBENIA UMBONATA Thaxt. Kittery Pt., Thaxt. Lab. p. 323.

LABOULBENIA VARIABILIS Thaxt. Maine, Thaxt. Lab. p. 351.

PEYRITSCHIELLA CURVATA Thaxt. Kittery Pt., Thaxt. Lab. p. 279.

PEYRITSCHIELLA GEMINATA Thaxt. Kittery Pt., Thaxt. Lab. p. 280.

RHACHOMYCES LASIOPHORUS Thaxt. Kittery Pt., Thaxt. Lab. p. 360.

RHADIONOMYCES CRISTATUS Thaxt. Kittery Pt., Thaxt. Lab. p. 307.

RHADINOMYCES PALLIDUS Thaxt. Kittery Pt., Thaxt. Lab. p. 306.

STIGMATOMYCES HYDRELLIA Thaxt. Kittery Pt., Thaxt. Proc. Am. Acad Arts and Sci. 36:404.

STIGMATOMYCES LIMOSINÆ Thaxt. Kittery Pt., Thaxt. Proc. Am. Acad. Arts and Sci. 36:405.

STIGMATOMYCES PURPUREUS Thaxt. Kittery Pt., Thaxt. Proc. Am. Acad. Arts and Sci. 36:405.

STIGMATOMYCES SCAPTOMYZAE Thaxt. Kittery Pt., Thaxt. Proc. Am. Acad. Arts and Sci. 36:400.

STIGMATOMYCES SPIRALIS Thaxt. Kittery Pt., Thaxt. Am. Acad. Arts and Sci. 36:405.

TETRATOMYCES ACTORII Thaxt. Kittery Pt., Thaxt. Lab. p. 365.

TETRATOMYCES BREVICAULIS Thaxt. Kittery Pt., Thaxt. Lab. p. 357.

TETRATOMYCES MIRIFICUS Thaxt. Maine, Thaxt. Lab. p. 355.

ZODIOMYCES VERTICELLARIUS Thaxt. York, Thaxt. Lab. p. 372.

ORDER DISCOMYCETACEÆ.

FAMILY HELVELLACEÆ.

GEOGLOSSUM DIFFORME Fr. On the ground, Otisfield, 8-1858, (Blake).

GEOGLOSSUM HIRSUTUM Pers. On the ground, Cumberland, (Blake). In Sphagnum bog, Orono, 9-1896, (O. W. Knight).

*GEOGLOSSUM OPHIOGLOSSOIDES (L.) Sacc. Orono, (Harvey).

GEOGLOSSUM PECKIANUM Cke. On the ground in woods, Brownfield, 9-1896, (Merrill). Det. Pk.

GYROMITRA ESCULENTA (Pers.) Fr. On the ground, Orono, 5-1898, (Ricker).

HELVELLA INFULA Schaeff. On the ground in woods, Orono, 9-1897, (Harvey).

HELVELLA LACUNOSA Afz. So. Paris, Proc. Bost. Soc. Nat. Hist. 5:330.

HELVELLA MACROPUS (Pers.) Karst. On the ground, Harrison, 8-1858, (Blake). On decaying logs, Cumberland, 8-1858, (Blake). On decaying logs, Pea Cove, 10-1898, (Harvey).

HELVELLA MONACHELLA (Scop.) Fr. On the ground in woods, Harrison, 8-1858, (Blake).

HELVELLA NIGRA Pk. On ashes of an old camp-fire, shore Basin Lake, Mt. Katahdin, (altitude 2500 feet), 9-1898, (Harvey).

LEPTOGLOSSUM LUTEUM (Pk.) Sacc. On the ground in woods, Brownfield, 7-1896, (Merrill).

MITRULA PHALLOIDES (Bull.) Chev. On leaves in wet places, Cumberland, 1859, (Blake). On leaves in wet places, Wells, 1880, (Blake). On leaves in wet places, So. Lagrange, 7-1897, (Harvey).

MITRULA VITELLINA (Bres.) Sacc. In the woods under trees, Orono, 10-1888, (Harvey).

*MITRULA VITELLINA IRREGULARIS Pk. Orono, 10-1896, (Harvey).

MORCHELLA ESCULENTA (L.) Pers. On the ground in woods, Chebeague Is., Casco Bay, (Fuller). On the ground in woods, Livermore Falls, (Kate Furbish). On the ground in woods, Westbrook, 6-1898, (Ricker).

SPATHULARIA CLAVATA (Schaeff.) Sacc. On the ground in woods, Orono, 8-1896, (Harvey). On the ground in woods, Monmouth, 1897, (Merrill).

FAMILY PEZIZACEÆ.

BELONIDIUM AURELIA (Pers.) De Not. On decaying logs, Ea. Auburn, 9-1896, (Merrill).

CHLOROSPLENIUM AERUGINOSUM (Oeder.) De Not. On decaying logs, Wells, 1880, (Blake). On decaying logs, Orono, 9-1897, (Ricker). On decaying logs, Auburn, (Merrill).

CHLOROSPLENIUM VERSIFORME (Pers.) Karst. On Acer, Harrison, 8-1859, (Blake).

Dasyscypha agassizii (B. & C.) Sacc. On Abies balsamea, Orono, 10-1896, (Harvey). On Abies balsamea, Westbrook, 9-1898, (Ricker).

Dasyscypha bicolor (Bull.) Fckl. On dead twigs, Maine, Grev. 3:154.

Dasyscypha calycinia (Schum.) Fckl. On Abies, Orono, 10-1896, (Harvey).

Dasyscypha cerina (Pers.) Fckl. Portland, (Fuller). In Herb. Port. Soc. Nat. Hist.

Dasyscypha ellisiana (Rehm.) Sacc. On Pinus rigida, Westbrook, 4-1899, (Ricker). Det. Ell.

*Dasyscypha hyalina (Phill.) Sacc. Orono, 1890, (Harvey).

*Dasyscypha nivea (Hedw.) Sacc. Orono, 1890, (Harvey).

Geopyxis nebulosa Cke. On decaying logs, Oldtown, 8-1895, (Harvey).

*Geopyxis pallidula C. & Pk. Orono, 1896, (Harvey).

Geopyxis pulchra Ger. On the ground, Orono, 5-1895, (G. Haley).

Helotium citrinum (Hedw.) Fr. On decaying logs, Cumberland, (Blake). On decaying logs, Orono, 10-1896, (Harvey). On decaying logs, Katahdin Iron Works, 11-1898, (Ricker).

Helotium confluens Schw. On decaying logs, Wells, 5-1880, (Blake).

Helotium herbarum (Pers.) Fr. On Quercus, Harrison, 9-1859, (Blake). On Rubus, Wells, 1880, (Blake).

Lachnea erinaceus Schw. On decaying logs, Orono, 12-1887, (Harvey).

Lachnea hemisphaerica Wigg. On decaying logs, Cumberland, 8-1858, (Blake). On decaying logs, Orono, 9-1896, (Harvey).

Lachnea scutellata Linn. On decaying logs, Cumberland, (Blake). On decaying logs, Orono, 9-1886, (Harvey). On decaying logs, Westbrook, 7-1897, (Ricker).

*Lachnella corticalis (Pers.) Fr. Orono, 1890, (Harvey).

Mollisia cinerea (Batsch.) Karst. On decaying logs, Orono, 9-1896, (Harvey). Det. Morg.

Mollisia discolor (Mont.) Phill. On Ulmus, Cumberland, 10-1858, (Blake).

PEZIZA AURANTIA Pers. On decaying logs, Harrison, (Blake). On the ground, Orono, (Harvey).

PEZIZA BADIA Pers. Orono, 8-1887, (Harvey).

PEZIZA BAUERANA Cooke. On an old water tank, Orono, 6-1890, (Harvey).

PEZIZA COCHLEATA L. On the ground, Cumberland, 1857, (Blake). On the ground, Wells, 1880, (Blake).

PEZIZA ODORATA Pk. On the ground, Orono, 6-1896, (Harvey).

PEZIZELLA REGALIS (C. & E.) Sacc. On bark of decaying trees, Orono, 10-1888, (Harvey).

PEZIZELLA VULGARIS (Fr.) Sacc. On Pinus, Wells, 1880, (Blake).

PHAEOPEZIZA RETIDERMA (Cke.) Sacc. On Ground, Portland, (Fuller). In Herb. Port. Soc. Nat. Hist.

PHAEOPEZIZA SCABROSA (Cke.) Sacc. Portland, (Bolles.) Sacc. Syll. Fung. 8: 472.

*PHIALEA VIRGULTORUM (Vahl.) Sacc. Orono, 1890, (Harvey).

PLECTANIA HIRTIPES Cooke. Maine, (Bolles). In Sacc. Syll. 8:163.

PSEUDOPLECTANIA NIGRELLA Pers. On the ground, Orono, 5-1898, (Ricker). Det. Farl.

PSILOPEZIA BABINGTONII Berk. On decaying logs, Pownal, 7-1897, (Stover). Det. Ell.

PYRONEMA HAEMASTIGMA (Hedw.) Fr. On decaying logs, Wells, 1880, (Blake).

*PYRENOPEZIZA NERVISEQUIA (Pers.) Sacc. Portland, (Bolles).

SCLEROTINIA INCONDITA Ell.? On leaves in wet places, Orono, 5-1899, (Ricker).

FAMILY DERMATEACEÆ.

*CENANGELLA RAVENELII (Berk.) Sacc. Orono, 1889, (Harvey).

CENANGIUM ABIETIS (Pers.) Rehm. On Pinus, Wells, (Blake). On Pinus, Orono, 12-1887, (Harvey).

CENANGIUM ABIETIS STROBILINUM A. & S. *F. Col. No. 1416.* On Picea excelsa, Orono, 4-1899, (Ricker). Det. Ell.

CENANGIUM FURFURACEUM (Roth.) De Not. On Alnus, Orono, 8-1897, (Harvey).

CENANGIUM POPULNEUM (Pers.) Rehm. On Populus tremuloides, Orono, 5-1898, (Ricker).

CENANGIUM PRUNASTRI (Pers.) Fr. On Acer, Cumberland, 3-1859, (Blake).

CENANGIUM PULVERACEUM (A. & S.) Fr. On decaying logs, Orono, 1890, (Harvey). On decaying logs, Auburn, 1896, (Merrill).

CENANGIUM PUNCTOIDEUM (Cke.) Sacc. Maine, (Blake). Grev. 5:33.

CENANGIUM STICTUM (B. & C.) Sacc. Maine, (Morse.). Grev. 4:4.

CENANGIUM TUBERCULIFORME E. & E. On Alnus, Orono, 8-1896, (Harvey). Det. Ell.

DERMATEA CERASI (Pers.) Fr. On Prunus pennsylvanica, Mt. Katahdin, 4-1856, (Blake). On Prunus pennsylvanica, Westbrook, 5-1898, (Ricker).

DERMATEA FUSISPORA E. & E. On Betula, Orono, 1892, (Harvey). Det. Ell.

TYMPANIS ALNEA (Pers.) Fr. On Alnus, Cumberland, 2-1859, (Blake). On Alnus incana, Orono, 9-1899, (Ricker).

TYMPANIS CONSPERSA Fr. On Populus, Harrison, 9-1859, (Blake). On Populus, Orono, 10-1890, (Harvey). On Populus, Westbrook, 12-1897, (Ricker).

TYMPANIS LARICINA (Fckl.) Sacc. On Abies nigra, Auburn, 1-1897, (Merrill). Det. Ell.

URNULA CRATERIUM (Schw.) Fr. On the ground, Livermore Falls, 1891, (Kate Furbish). Det. Harv.

FAMILY BULGARIACEÆ.

AGYRIUM RUFUM Pers. Fr. On Pinus, Wells, 1880, (Blake).

BULGARIA INQUINANS (Pers.) Fr. On Acer saccharinum, Cumberland, 1857, (Blake). On Ulmus americana, Westbrook, 9-1898, (Ricker).

BULGARIA RUFA Schw. On Betula populifolia, Orono, 12-1887, (Harvey).

CORYNE SARCOIDES (Jacq.) Tul. On Acer, Cumberland, 1856, (Blake).

Coryne urnalis (Nyl.) Sacc. On decaying logs, Orono, 10-1888, (Harvey).

Leotia chlorocephala Schw. On the ground, Harrison, 8-1858, (Blake). On the ground, Orono, (Harvey).

Leotia lubrica (Scop.) Pers. On the ground, Harrison, 8-1858, (Blake).

Leotia viscosa Fr. On the ground, Orono, 8-1887, (Harvey).

Ombrophila enterochroma (Pk.) Sacc. On Thuja occidentalis, Pea Cove, 10-1898, (Ricker). On Thuja occidentalis, Orono, 10-1900, (Ricker).

Orbilia chrysocoma (Bull.) Sacc. On decaying wood, Oldtown, 7-1897, (Harvey).

Orbilia coccinella (Somm.) Karst. Orono, (Harvey). Det. Morg.

Orbilia vinosa (A. & S.) Karst. On decaying wood, Orono, 10-1895, (Harvey). Det. Pk.

FAMILY STICTIDACEÆ.

Propolis faginea (Schrad.) Karst. On decaying wood, Orono, 10-1895, (Harvey). Det. Pk.

Stictis radiata (L.) Pers. On decaying logs, Orono, 10-1895, (Harvey).

Xylogramma hysterinum (Fr.) Rehm. On Abies balsamea, Wells, 1860, (Blake).

FAMILY PHACIDIACEÆ.

Coccomyces dentatus (K. & Schum.) Sacc. On Quercus rubra, Wells, 5-1880, (Blake). On Betula, Orono, 10-1898, (Harvey).

Coccomyces pini (A. & S.) Karst. On Pinus strobus, Orono, (Harvey). On Pinus strobus, Westbrook, 7-1899, (Ricker).

Phacidium salicinum Fckl. On Salix, Orono, (Harvey).

Phacidium vaccinii Fr. On Arctostaphylos uva-ursi, Wells, 5-1880, (Blake).

Rhytisma acerinum Pers. On Acer dasycarpum, Orono, 9-1897, (Ricker). On Acer rubrum, 9-1900, (Ricker).

Rhytisma andromedæ (Pers.) Fr. On Andromeda polyfolia, Bangor Bog, 5-1899, (Merrill).

RHYTISMA BLAKEI M. A. Curtis in Blake Herb. On Rubus hispidus, Kennebunk, 5-1857, (Blake). There is some doubt as to whether the fungus to which this name has been applied is really a Rhytisma or not.

RHYTISMA DECOLORANS Fr. On Andromeda ligustrina, Cumberland, 9-1858, (Blake).

RHYTISMA ILICIS-CANADENSIS Schw. On Nemopanthes fasicularis, Orono, 1893, (Harvey). On Nemopanthes fasicularis, Mt. Katahdin, 9-1898, (Merrill).

RHYTISMA PRINI Schw. On Ilex verticellata, Wells, 8-1859, (Blake). On Ilex verticellata, Orono, 10-1898, (Ricker).

RHYTISMA PUNCTATUM (Pers.) Fr. On Acer spicatum, Katahdin Iron Works, 11-1898, (Ricker).

RHYTISMA SALICINUM (Pers.) Fr. On Salix herbacea, Mt. Katahdin, 9-1898, (Merrill). On Salix cordata, Bradley, 10-1899, (Ricker).

RHYTISMA SOLIDAGINIS Schw. On Solidago lanceolata, Cumberland, (Blake). On Solidago lanceolata, Auburn, (Merrill). On Solidago lanceolate, Orono, (Harvey).

RHYTISMA VACCINII Fr. On Vaccinium, Wells, 1859, (Blake).

FAMILY PATELLARIACEÆ.

BLITRYDIUM CUCURBITARIA (Cooke.) Sacc. On Ulmus americana, Orland, 7-1897, (Merrill). Det. Ell.

DURELLA COMPRESSA (Pers.) Tul. On Fagus ferruginea, Cumberland, 12-1857, (Blake).

KARSCHIA LIGNYOTA (Fr.) Sacc. On Ulmus americana, Orono, 10-1897, (Harvey).

LECANIDION FUSCO-ATRUM Rehm. On Pinus, Wells, (Blake).

TRYBLIDIOPSIS PINASTRI (Pers.) Karst. On Pinus strobus, Cumberland, 2-1858, (Blake). On Pinus silvestris, Orono, 10-1900, (Ricker).

FAMILY GYMNOASCACEÆ.

EXOASCUS ALNI-INCANAE Kuhn. On Alnus incana, Westbrook, 7-1900, (Ricker). On Alnus incana, Orono, 10-1900, (Ricker).

FAMILY CALICIACEÆ.

CALICIOPSIS ELLISH Sacc. On Polyporus, Cumberland, (Blake.)

CALICIOPSIS PINEA Pk. On Pinus strobus, Orono, 10-1896, (Harvey). Det. Pk.

CALICIUM CURTUM Turn. & Borr. On decaying wood, Wells, (Blake).

CALICIUM TIGILLARE (B. & Br.) Sacc. On Polyporus pergamenus, Westbrook, 5-1898, (Ricker). Det. Ell.

EMBOLUS OCHREATUS (De Not.) Sacc. Greenfield, 9-1895, (Harvey). Det. Pk.

CLASS VI. BASIDIOMYCETAE.

ORDER USTILAGINACEÆ.

ENTYLOMA COMPOSITARUM Farl. On Aster novi-belgii, Peaks Is., 10-1899, (W. A. Getchell). In Bot. Gaz. 19:187.

ENTYLOMA LOBELIAE Farl. Maine, (Farlow). Crypt. Flora. White Mts. p. 238.

GRAPHIOLA PHOENECIS (Moug.) Poit. On Phoenix dactylifera, Bangor, 3-1899, (Ricker). In a greenhouse.

USTILAGO ANOMALA Kunze. On Polygonum convolvulus, Fryeburg, 8-1899, (Harvey).

USTILAGO AVENÆ (Pers.) Jens. On Avena sativa, Cumberland, 1857, (Blake). On Avena sativa, Westbrook, 8-1900, (Ricker).

USTILAGO CARICIS (Pers.) Fckl. On Carex pedunculata, Clifton, 6-1896, (Harvey). On Carex pedunculata, Orono, 7-1896, (Harvey).

USTILAGO HORDEI (Pers.) Kell. & Sw. On Hordeum sativum, Orono, 8-1890, (Harvey).

USTILAGO MAYDIS (DC.) Cda. On Zea mays, Wells, 8-1859, (Blake). On Zea mays, Orono, (Harvey).

USTILAGO VIOLACEA (Pers.) Fckl. On Arenaria groenlandica, Saddleback, Mt. 8-1897, (Fernald).

ORDER UREDINACEÆ.

AECIDIUM ASTERUM Schw. On Aster, Westbrook, (Bolles). Proc. Port. Soc. Nat. Hist. 1:181.

AECIDIUM CLEMATIDIS DC. On Clematis virginiana, Orono, 7-1899, (Harvey). Det. P. L. R.

AECIDIUM ELATINUM A. & S. On Abies balsamea, Wells, 1880, (Blake).

AECIDIUM GROSSULARIÆ Schum. On Ribes prostratum, Orono, 5-1898, (Ricker). On Ribes floridum, Orono, 6-1900, (Ricker.)

AECIDIUM HYDNOIDEUM, B. & C. On Dirca palustris, Winthrop, 6-1857, (Blake).

AECIDIUM HYPERICATUM Schw. On Hypericum perforatum, Westbrook, (Bolles). Proc. Port. Soc. Nat. Hist. 1:181.

AECIDIUM MARIÆ-WILSONI Pk. On Viola cucullata, Harrison, 6-1881, (Blake).

AECIDIUM OENOTHERÆ Mont. On Oenothera biennis, Basin Mills, 5-1899, (Ricker).

CALYPTOSPORA GOEPPERTIANA J. Kuehn. On Vaccinium vitis-idaea, Clifton, 6-1896, (Harvey). On Vaccinium vitis-idaea, Mt. Katahdin, 8-1898, (Merrill).

CHRYSOMYXA ALBIDA Kuehn. On Rubus villosus, Wells, 9-1883, (Blake).

CHRYSOMYXA PIROLÆ (DC.) Rost. On Pyrola rotundifolia, Biddeford, 5-1859, (Blake). On Pyrola rotundifolia, Orono, 5-1892, (Harvey).

COLEOSPORIUM SOLIDAGINIS (Schw.) Thum. On Solidago, Cumberland, 9-1857, (Blake). On Solidago canadensis, Bradley, 10-1899, (Ricker). On Aster lindleyanus, Orono, 10-1900, (Ricker).

CRONARTIUM ASCLEPIADEUM (Willd.) Fr. *F. Col. No. 1482.* On Myrica gale, Orono, 10-1900, (Ricker).

GYMNOSPORANGIUM CLAVARIIFORME (Jacq.) Rees. On Juniperus communis, Portland, (Fuller). Farl. Gymnosp. p. 13.

GYMNOSPORANGIUM CLAVIPES C. & Pk. On Juniperus virginiana, Orono, 11-1900, (Ricker).

GYMNOSPORANGIUM JUNIPERINUM, (L.) Fr. On Juniperus virginiana, Cumberland, 1859, (Blake).

GYMNOSPORANGIUM SABINÆ (Dicks.) Wint. On Pyrus communis, Westbrook, (Bolles).

MELAMPSORA FARINOSA (Pers.) Schroet. On Salix, Orono, (Harvey). On Salix cordata, Auburn, 7-1896, (Merrill).

MELAMPSORA POPULINA (Jacq.) Lev. On Populus tremuloides, Orono, 9-1897, (Merrill). On Populus monilifera, Orono, 9-1898, (Ricker).

MELAMPSORA VITELLINAE (DC.) Thum. On Salix lucida, Orono, 10-1900, (Ricker).

PHRAGMIDIUM POTENTILLÆ (Pers.) Karst. On Potentilla canadensis, Orono, 5-1898. (Ricker). On Potentilla canadensis, Westbrook, 6-1900, (Ricker).

PHRAGMIDIUM RUBI-IDAEI (DC.) Karst. On Rubus, Westbrook, (Bolles). Proc. Port. Soc. Nat. Hist. 1:185.

PHRAGMIDIUM SUBCORTICIUM (Schrank.) Wint. On Rosa, Westbrook, (Bolles). Proc. Port. Soc. Nat. Hist. 1:181.

PUCCINIA ANEMONES-VIRGINIANÆ Schw. On Anemone virginiana, Cumberland, (Blake).

PUCCINIA ANGUSTATA Pk. On Scirpus eriophorum, Orono, 9-1895, (Harvey). Det. Arth. On Scirpus eriophorum, Westbrook, 8-1899, (Ricker).

PUCCINIA ARENARIÆ (Schum.) Schroet. Portland, (Fuller). Grev. 5:152.

PUCCINIA ASPARAGI DC. On Asparagus officinalis, Orono, 7-1898, (Harvey).

PUCCINIA ASTERIS Duby. On Aster, Harrison, 8-1859, (Blake). On Aster macrophylla, Jackman, 8-1895, (Harvey). On Aster macrophylla, Westbrook, 7-1898, (Ricker).

PUCCINIA CARICIS (Schum.) Reb. On Carex retrorsa, Orono, 10-1895, (Harvey). On Carex rostrata, Orono, 10-1895, (Harvey). On Carex crinita, Westbrook, 8-1899, (Ricker). On Carex bromoides, Orono, 10-1899, (Harvey).

PUCCINIA CIRCAEÆ Pers. On Circaea alpina, Cumberland, 8-1857, (Blake). On Circaea lutetiana, Ea. Auburn, 7-1896, (Merrill). On Circaea lutetiana, Sebago Lake, 7-1898, (Ricker).

PUCCINIA CLINTONII Pk. On Pedicularis canadensis, Basin Mills, 5-1898, (Merrill).

PUCCINIA CORONATA Cda. On Rhamnus, Maine, Proc. Port. Soc. Nat. Hist. 1:180.

PUCCINIA GRAMINIS Pers. On Berberis vulgaris, Cumberland, (Blake). On Triticum sativum, Westbrook, 9-1899, (Ricker).

PUCCINIA HELIANTHI Schw. On Helianthus tuberosus, Auburn, 9-1898, (Merrill).

PUCCINIA HIERACII (Schum.) Mart. On Solidago, Maine, (Sprague). In Blake Herb.

PUCCINIA JUNCI (Str.) Wint. On Juncus, Westbrook, (Fuller). Grev. 5:152.

PUCCINIA MALVACEARUM Mont. On Althaea rosea, Augusta, 8-1898, (B. W. McKeen). Det. P. L. R.

PUCCINIA MENTHÆ AMERICANA Burr. *F. Col. No. 1461.* On Mentha Canadensis, Bradley, 10-1899, (Ricker).

PUCCINIA ORNATA A. & H. On Rumex brittanica, Oldtown, 9-1900, (Ricker). Det. Arth. On Rumex brittanica, Orono, 10-1900, (Ricker). On Rumex brittanica, Long Is., Casco Bay, (A. B. Seymour).

PUCCINIA PERIDERMIOSPORA (E. & T.) Arth. On Spartina cynosuroides, Orono, 10-1900, (Ricker). Det. Arth.

PUCCINIA POLYGONI Pers. On Polygonum amphibium, Harrison, 9-1859, (Blake). On Polygonum muhlenbergii, Orono, 10-1900, (Ricker).

PUCCINIA PORPHYROGENITA Curt. On Cornus canadensis, Bradley, 7-1890, (Harvey).

PUCCINIA PYROLÆ Cke. On Polygala, Cape Elizabeth, (Bolles). Proc. Port. Soc. Nat. Hist. 1:183. Cooke gives the host as Pyrola, but it should probably be Polygala paucifolia.

PUCCINIA RUBIGO-VERA (DC.) Wint. On Triticum vulgare, Cumberland, (Blake). On Secale cereale, Orono, (Harvey).

PUCCINIA SUAVEOLENS (Pers.) Rostr. On Cnicus arvensis, Orono, 10-1900, (Ricker).

PUCCINIA TARAXACI Plowr. On Taraxacum officinale, Orono, 10-1898, (Ricker).

PUCCINIA THALICTRI Chev. On Thalictrum, Portland, (Fuller). Grev. 5:152.

PUCCINIA VIOLÆ (Schum.) DC. On Viola rontundifolia, Bradley, 7-1890, (Harvey). On Viola blanda renifolia, Orono, 6-1896, (Merrill).

ROESTELIA AURANTIACA Pk. On Amelanchier canadensis, Wells, 1880, (Blake). On Amelanchier canadensis, Orono, 8-1897, (Harvey). On Amelanchier canadensis, Falmouth Fore-

side, 8-1901, (Ricker). On Crataegus macrantha, Falmouth Foreside, 8-1901, (Ricker).

Roestelia cornuta (Gmel.) Fr. On Pyrus americana, Mt. Desert Is., 9-1897, (J. C. Arthur).

Roestelia lacerata (Sow.) Fr. On Crataegus, Westbrook, (Bolles). Proc. Port. Soc. Nat. Hist. 1:180. On Pyrus americana, New Portland, 6-1857, (Blake).

Triphragmium clavellosum Berk. On Aralia nudicaulis, Bradley, 7-1890, (Harvey). On Aralia nudicaulis, Westbrook, 7-1898, (Ricker).

Uredo Caeoma nitens Schw. On Rubus villosus, Orono, 6-1898, (Ricker).

Uredo cassandræ Pk. & Cl. On Cassandra calyculata, Harrison, 6-1881, (Blake). Det. Arth.

Uredo iridicola Pk. On Iris versicolor, Bradley, 10-1899, (Ricker).

Uredo ledicola Pk. On Ledum latifolium, Orono, 6-1899, (Harvey).

Uredo polypodii (Pers.) DC. On Osmunda cinnamomea, Wells, 8-1859, (Blake).

Uromyces appendiculatus (P.) Lev. On Phaseolus vulgaris, Orono, 7-1899, (Harvey).

Uromyces asclepiadis Cke. On Asclepias, Cape Elizabeth, (Fuller). Grev. 5:152.

Uromyces caladii (Schw.) Farl. On Arisaema triphyllum, Basin Mills, 5-1899, (Ricker).

Uromyces caryophyllinus (Schrank.) Schroet. On Dianthus caryophyllus, Orono, 12-1898, (Ricker). In a greenhouse.

Uromyces geranii (DC.) Otth. & Wartm. On Geranium, Westbrook, (Bolles).

Uromyces hyperici (Schw.) Curt. On Hypericum perforatum, Cape Elizabeth, 9-1859, (Blake). On Hypericum mutilum, Bradley, 10-1899, (Ricker).

Uromyces junci (Desm.) Tul. On Juncus tenuis, Orono, (Harvey).

Uromyces lilii Clint. On Lilium canadense, Bradley, 7-1899, (Harvey).

Uromyces piriformis Cke. On Acorus calamus, Orono, 9-1897, (Harvey).

UROMYCES TRIFOLII (Hedw.) Lev. On Trifolium pratense, Auburn, (Merrill). On Trifolium pratense, Orono, 11-1898, (Harvey).

ORDER HYMENOMYCETACEÆ.

FAMILY AGARICACEÆ.

AGARICUS CAMPESTER Linn. Orono, (Harvey).

AMANITA FROSTIANA Pk. Orono, 8-1887, (Harvey).

*AMANITA MONTICULOSA B. & C. Cumberland, (Blake).

AMANITA MUSCARIA Linn. Cumberland, 8-1855, (Blake). Orono, 9-1900, (Ricker).

AMANITA PHALLOIDES Fr. Orono, 8-1896, (Harvey).

*AMANITA SPRETA Pk. Wells, (Blake).

ANTHRACOPHYLLUM NIGRITA (Lev.) Kalchbr. Eastport, (Farlow). Bull. Bussey Inst., 1 : 436, as Xerotus nigrita Lev.

ARMILLARIA MELLEA Vahl. Orono, 10-1895, (Harvey).

CANTHARELLUS AURANTIACUS Fr. Oldtown, 8-1896, (Harvey).

CANTHARELLUS CIBARIUS Fr. Harrison, 8-1859, (Blake). Orono, 8-1896, (Harvey).

CANTHARELLUS DICHOTOMUS Pk. Orono, 9-1896, (Harvey).

CANTHARELLUS FLOCCOSUS Schw. *N. A. F. No. 1920.* Orono, 8-1887, (Harvey).

CANTHARELLUS INFUNDIBULIFORMIS (Scop.) Fr. Orono, 8-1896, (Harvey). Det. Pk.

CANTHARELLUS INFUNDIBULIFORMIS SUBCINEREUS Pk. Orono, 10-1896, (Harvey). Det. Pk.

CANTHARELLUS MULTIPLEX Underwood. Seal Harbor, 8-1898, Bull. Torr. Bot. Club, 26:254.

CANTHARELLUS PRINCEPS B. & C. Maine, (Sprague). In Sacc. Syll. 5:487.

CANTHARELLUS TUBAEFORMIS Fr. Cumberland, (Blake).

CLAUDOPUS NIDULANS (Pers.) Pk. On Fagus ferruginea, Pea Cove, 10-1898, (Ricker). Det. Burt.

CLAUDOPUS VARIABILIS Pers. Cumberland, (Blake).

CLITOCYBE ALBISSIMA Pk. Orono, 10-1895, (Harvey).

CLITOCYBE CANDICANS Pers. Orono, 9-1898, (Harvey).

CLITOCYBE LACCATA Scop. Orono, 8-1887, (Harvey).

CLITOCYBE NEBULARIS Batsch. Cumberland, 8-1855, (Blake).

CLITOCYBE OCHRO-PURPUREA Berk. Orono, 8-1895, (Harvey).

CLITOCYBE PHYLLOPHYLLA Fr. Orono, 10-1895, (Harvey).

CLITOCYBE TRULLISATA Ellis. Wells, (Blake).

CLITOPILUS ABORTIVUS B. & C. Orono, 10-1898, (Ricker).

CLITOPILUS CAEPITOSUS Pk. Orono, 9-1890, (Harvey).

CLITOPILUS NOVEBORACENSIS Pk. Oldtown, 8-1895, (Harvey).

COLLYBIA ABUNDANS Pk. Orono, 8-1896, (Harvey).

COLLYBIA ACERVATA Fr. Orono, 9-1897, (Harvey). Det. Pk.

COLLYBIA BUTYRACEA Bull. Westbrook, 8-1898, (Ricker). Det. Pk.

COLLYBIA CIRRATA Schum. Orono, 8-1897, (Harvey). Det. Pk.

COLLYBIA CONFLUENS Pers. Orono, 8-1893, (Harvey). Pea Cove, 10-1898, (Ricker).

COLLYBIA DRYOPHILLA Bull. Orono, 10-1895, (Harvey). Det. Pk.

COLLYBIA FULIGINELLA Pk. Bradley, 9-1897, (Harvey).

COLLYBIA MACULATA A. & S. Orono, 8-1896, (Harvey).

COLLYBIA RADICATA Rehl. Orono, 1897, (Harvey).

COLLYBIA TUBEROSA Bull. Maine, Proc. Bost. Soc. Nat. Hist. 6:316.

COLLYBIA VOLUTIPES Curt. Orono, 8-1897, (Harvey). Det. Pk.

COPRINUS ATRAMENTARIUS SILVESTRIS Pk. Orono, 10-1895, (Harvey). Det. Pk.

COPRINUS FIMENTARIUS Fr. Cumberland, (Blake).

COPRINUS PLICATILIS (Curt.) Fr. Cumberland, (Blake). Patten, 8-1898, (Harvey).

CORTINARIUS ALBO-VIOLACEUS (Pers.) Fr. Orono, (Harvey).

CORTINARIUS ARMILLATUS (A. & S.) Fr. Orono, 9-1897, (Harvey).

CORTINARIUS CINNAMEMOUS (Linn.) Fr. Orono, 8-1897, (Harvey).

CORTINARIUS CINNAMOMEUS SEMISANGUINEUS Fr. Orono, 1896, (Harvey).

CORTINARIUS SPILOMEUS Fr. Orono, 9-1896, (Harvey).

*CORTINARIUS TORVUS Fr. Orono, (Harvey).

CORTINARIUS VIOLACEUS (Linn.) Fr. North-west carry, 8-1897, (Harvey).

*CREPIDOTUS APPLANATUS Pers. Orono, (Harvey).

CREPIDOTUS VERSUTUS Pk. Westbrook, 8-1893, (Ricker).

ENTOLOMA GRAYANUM Pk. Orono, 9-1892, (Harvey).

FLAMMULA ALNICOLA Fr. Brunswick, (Kate Furbish).

FLAMMULA FLAVIDA Pers. Cumberland, (Blake).

*FLAMMULA SPUMOSA Fr. Orono, 9-1896, (Harvey).

GALERA LATERITIA Fr. Orono, 7-1897, (Harvey). Westbrook, 7-1898, (Ricker).

GALERA TENERA Schaeff. Orono, 6-1897, (Harvey).

HYGROPHORUS BOREALIS Pk. Orono, 9-1897, (Harvey).

*HYGROPHORUS CANTHARELLUS Schw. Orono, (Harvey).

HYGROPHORUS CHRYSODON (Batsch.) Fr. Orono, 10-1897, (Ricker).

HYGROPHORUS CINNABARINUS Schw. So. Paris, Proc. Bost. Soc. Nat. Hist. 5:326.

HYGROPHORUS CONICUS (Scop.) Fr. Orono, 9-1897, (Harvey).

HYGROPHORUS FLAVO-DISCUS Frost. Brunswick, 1896, (Kate Furbish).

HYGROPHORUS FULIGINEUS Frost. Orono, 10-1898, (Ricker).

HYGROPHORUS MINIATUS Fr. Orono, (Harvey).

HYGROPHORUS PARVULUS Pk. Greenville, 9-1896, (Harvey). Det. Pk.

HYGROPHORUS PUNICEUS Fr. Orono, 8-1895, (Harvey).

HYPHOLOMA CANDOLLEANUM Fr. Cumberland, (Blake).

HYPHOLOMA EPIXANTHUM Fr. Cumberland, 11-1855, (Blake).

HYPHOLOMA INCERTUM, Pk. Orono, 7-1896, (Harvey).

HYPHOLOMA SUBLATERIUM Schaeff. Cumberland, 10-1858, (Blake). Orono, (Harvey).

INOCYBE GEOPHILA Sowerb. Orono, 9-1897, (Harvey).

*INOCYBE LANGUINOSA Bull. Orono, (Harvey).

LACTARIUS AFFINIS Pk. Orono, (Harvey).

LACTARIUS AQUIFLUUS Pk. Orono, (Harvey).

LACTARIUS CAMPHORATUS (Bull.) Fr. Wells, 8-1880, (Blake). Orono, (Harvey).

LACTARIUS CILICIOIDES Fr. Orono, 10-1900, (Ricker). Det. Pk.

*LACTARIUS CINEREUS Pk. Orono, (Harvey).

*LACTARIUS DECEPTIVUS Pk. Orono, (Harvey).

*LACTARIUS DELICIOSUS (Linn.) Fr. Orono, (Harvey).

*LACTARIUS GRISEUS Pk. Orono, (Harvey).

LACTARIUS HYGROPHOROIDES B. & C. Maine, (Sprague). In Sacc. Syll. 5:448.

*LACTARIUS HYSGINUS Fr. Orono, (Harvey).

*LACTARIUS INSULUS Fr. Orono, 1896, (Harvey).

LACTARIUS LIGNYOTUS Fr. Westbrook, 7-1898, (Ricker).

LACTARIUS PICINUS Fr. ? Cumberland, 10-1858, (Blake).

LACTARIUS SUBDULCIS (Bull.) Fr. Orono, 10-1895, (Harvey). Det. Pk.

*LACTARIUS THEJOGANUS (Bull.) Fr. Orono, (Harvey).

*LACTARIUS UVIDUS Fr. Orono, (Harvey).

*LACTARIUS VELLERUS Fr. Orono, (Harvey).

*LACTARIUS VOLEMUS Fr. Orono, (Harvey).

LEPTINUS COCHLEATUS Fr. Wells, 9-1859, (Blake).

*LENTINUS HAEMATOPUS Berk. Orono, 10-1895, (Harvey).

LENTINUS LECOMTEI Fr. Cumberland, 7-1858, (Blake). Oldtown, 8-1896, (Harvey).

LENTINUS LEPIDEUS Fr. Orono, 10-1896, (Harvey).

LENZITES BETULINA (Linn.) Fr. Cumberland, 11-1857, (Blake). *Orono, (Harvey).

LENZITES COOKEI Berk. Orono, (Harvey).

LENZITES CRATAEGI Berk. Otisfield; Cumberland, (Blake). Pea Cove, 10-1898, (Ricker).

LENZITES KLOTZSCHII Berk. Cumberland; Otisfield, (Blake).

LENZITES SEPIARIA Fr. Cumberland, (Blake). Orono, (Harvey).

LEPIOTA MASTOIDEA Fr. Cumberland, 1859, (Blake).

*LEPIOTA METULISPORA Berk. & Br. Orono, 10-1895, (Harvey).

LEPIOTA PROCERA Scop. Fryeburg, 8-1899, (Harvey).

LEPTONIA AETHIOPS Fr. Orono, 8-1897, (Harvey).

MARASMIUS ANDROSACEUS (Linn.) Fr. Wells, 6-1860, (Blake).

*MARASMIUS ANOMALUS Pk. Orono, (Harvey).

MARASMIUS CAMPANULATUS Pk. Westbrook, 8-1899. (Ricker). Det. Pk.

MARASMIUS FILIPES Pk. Orono, 10-1895, (Harvey). Sebago Lake, 7-1898, (Ricker).

MARASMIUS GLABELLUS Pk. Wells, 9-1881, (Blake).

MARASMIUS OREADES Fr. Cumberland, (Blake).

MARASMIUS PERFORANS Fr. Cumberland, (Blake).

MARASMIUS POLYPHYLLUS Pk. Orono, 1896, (Harvey).

*MARASMIUS PREACUTUS Ell. Orono, (Harvey).

MARASMIUS ROTULA (Scop.) Fr. Cumberland, (Blake). Orono, (Harvey).

MARASMIUS SCORDONIUS Fr. Orono, 10-1895, (Harvey). Det. Pk.

MYCENA CORTICOLA Schum. Orono, 8-1887, (Harvey).

MYCENA EPIPTERYGIA Scop. Cumberland, 11-1857, (Blake). Orono, 8-1887, (Harvey). Det. Pk.

MYCENA GALERICULATA Scop. Orono, 10-1888, (Harvey).

*NAUCORIA PEDIADES Fr. Orono, (Harvey).

NAUCORIA SEMIORBICULARIS Bull. Wells, 9-1859, (Blake). Orono, 6-1896, (Harvey).

OMPHALIA CAMPANELLA Batsch. Orono, (Harvey).

OMPHALIA FIBULA Bull. Orono, 8-1887, (Harvey).

OMPHALIA GERARDIANA Pk. Orono, 9-1896, (Harvey). Det. Pk.

OMPHALIA SPHAGNICOLA Berk. Orono, 7-1898, (Harvey).

PANAEOLUS CAMPANULATUS Linn. Cumberland, 11-1857, (Blake). Orono, 7-1897, (Harvey).

PANAEOLUS PAPILIONACEUS Fr. Cumberland, 7-1858, (Blake).

PANUS CONCHATUS Fr. Cumberland, 8-1858, (Blake). Harrison, 9-1859, (Blake).

PANUS OPERCULATUS B. & C. *N. A. F. No. 2010.* Orono, 8-1886, (Harvey). Westbrook, 2-1895, (Ricker).

PANUS SALICINUS Pk. Cumberland, (Blake). *Orono, (Harvey).

PANUS STYPTICUS (Bull.) Fr. Cumberland, 11-1855, (Blake). Orono, 8-1887, (Harvey).

PHOLIOTA MUTABILIS Schaeff. Cumberland, (Blake).

PHOLIOTA SQUARROSA Mull. Orono, 10-1895, (Harvey).

PHOLIOTA UNICOLOR Vahl. Orono, 10-1895, (Harvey).

PLEUROTUS ALGIDUS Fr. Cumberland, 11-1857, (Blake).

PLEUROTUS APPLICATUS Batsch. Cumberland, 10-1858, (Blake). Orono, 10-1896, (Ricker). Det. Ell.

PLEUROTUS BLAKEII B. & C. Cumberland, 11-1857, (Blake).

PLEUROTUS CANDIDISSIMUS B. & C. Orono, 10-1895, (Harvey).

PLEUROTUS MITIS Pers. Cumberland, 11-1857, (Blake). Wells, 9-1890, (Blake).

PLEUROTUS NIGER Schw. Harrison, 9-1857, (Blake).

PLEUROTUS OSTREATUS Jacq. Jackman, 8-1895, (Harvey). Pea Cove, 10-1898, (Harvey).

PLEUROTUS PORRIGENS Pers. Orono, 10-1895, (Harvey).

PLEUROTUS SALIGNUS Schrad. Cumberland, 11-1857, (Blake).

PLEUROTUS SEROTINUS Schrad. Orono, 10-1896, (Harvey).

PLEUROTUS STRIATULUS Fr. Damariscotta Mills, 11-1896, (Harvey). Orono, (Harvey).

PLEUROTUS ULMARIUS Bull. Brunswick, (Kate Furbish).

PSILOCYBE FOENISECII Pers. Orono, 7-1896, (Harvey). Det. Pk.

PSILOCYBE SPADICEA Fr. Cumberland, (Blake).

RUSSULA ALUTACEA Fr. Wells, 8-1880, (Blake). Orono, 8-1887, (Harvey).

*RUSSULA ATRO-PURPUREA Pk. Greenville, 8-1895, (Harvey).

RUSSULA DECOLORANS Fr. Orono, 9-1897, (Harvey).

RUSSULA FOETENS (Pers.) Fr. Cumberland, 8-1855, (Blake).

*RUSSULA INTEGRA (Linn.) Fr. Orono, (Harvey).

*RUSSULA PURPURINA Quel. Orono, 10-1895, (Harvey).

SCHIZOPHYLLUM COMMUNE Fr. On Thuja occidentalis and Salix lucida, Orono, 5-1897; Westbrook, 9-1900, (Ricker).

*STROPHARIA HOWEANA Pk. Orono, 10-1895, (Harvey).

*STROPHARIA SEMIGLOBATA Batsch. Orono, (Harvey).

*Tricholoma album Schaeff. Orono, 10-1895, (Harvey).

Tricholoma davisiae Pk. Falmouth, Bull. Torr. Bot. Club, 27:611.

Tricholoma decorosum Pk. Orono, 10-1895, (Harvey).

Tricholoma humile bulbosum Pk. var. nov. Orono, 10-1900, (Ricker). Differs from the species in that the stem has a bulbous base.

Tricholoma lacunosa Pk. Orono, 10-1898, (Harvey).

Tricholoma microsporum Ell. Orono, 8-1887, (Harvey).

*Tricholoma miculatum Fr. Yarmouth, (Blake).

Tricholoma subacutum, 9-1897, (Harvey). Orono, 9-1897, (Ricker).

Tricholoma vaccinum Pers. Greenfield, 9-1895, (Harvey).

Trogia alni Pk. *N. A. F. No. 2017.* Orono, 10-1896, (Harvey). Westbrook, 9-1898, (Ricker).

Trogia crispa (Pers.) Fr. Cumberland, 11-1857, (Blake). Orono, 10-1898, (Ricker).

FAMILY POLYPORACEÆ.

*Boletinus pictus Pk. Orono, (Harvey).

*Boletinus clavipes Opat. Orono, (Harvey).

Boletus granulatus L. Orono, 10-1900, (Ricker).

Boletus americanus Pk. Orono, (Harvey).

*Boletus chromapes Frost. Orono, (Harvey).

Boletus clintonianus Pk. Orono, 10-1898, (Harvey).

Boletus decipiens Pk. Wells, (Blake).

*Boletus flavus Wither. Wells, (Blake).

Boletus luteus Linn. Orono, 9-1897, (Harvey).

Boletus paluster Pk. *N. A. F. No. 1932.* Orono, 9-1887, (Harvey).

*Boletus scaber Fr. Orono, (Harvey).

Boletus spadiceus Schaeff. Cumberland, (Blake).

*Boletus spectabilis Pk. Orono, (Harvey).

Boletus subluteus Pk. Orono, 10-1900, (Ricker). Det. Pk.

Boletus subtomentosus L. Kennebunk, (Blake).

Boletus variegatus Swartz. Otisfield, (Blake).

Daedalea confragosa Pers. On Acer, Otisfield, 8-1858, (Blake). On Quercus rubra, 5-1897, Orono, (Ricker).

DAEDALEA UNICOLOR (Bull.) Fr. On Betula, Cumberland, (Blake). On Betula, Pemadomcook Lake, 10-1896, (Harvey).

FAVOLUS ALUTACEUS B. & Mont. On Quercus, Portland, (Fuller). Grev. 5:150.

FAVOLUS BOUCHEANUS Klotzsch. On Fagus ferruginea, Cumberland, (Blake). On Fagus ferruginea, Harrison, 8-1858, (Blake.)

FLAVOLUS EUROPAEUS Fr. On Fagus ferruginea, Oldtown, 10-1899, (Ricker).

FOMES APPLANATUS (Pers.) Wallr. Cumberland, (Blake). Orono, 10-1896, (Ricker).

FOMES CARNEUS Nees. On Picea nigra, Jackman, 9-1895, (Harvey). On Picea nigra, Orono, 10-1896, (Ricker).

FOMES CONNATUS Fr. On Acer rubrum, Orland, 1897; Orono, 1897, (Merrill).

FOMES FOMENTARIUS (Linn.) Fr. Cumberland, (Blake). On Fagus ferruginea, Orono, 10-1896, (Ricker).

FOMES IGNIARIUS (Linn.) Fr. ? On Pyrus malus, Orono, (Harvey).

FOMES LUCIDUS (Leys.) Fr. Cumberland, (Blake). On Pinus, Westbrook, 2-1895; Orono, 9-1896, (Ricker).

FOMES NIGRICANS Fr. Orono, 9-1896, (Ricker).

FOMES OBLIQUUS (Pers.) Fr. On Alnus serrulatus, Orono, 9-1896, (Ricker).

FOMES PINICOLA Fr. On Pinus strobus, Orono, 9-1896, (Ricker).

FOMES SALICINUS (Pers.) Fr. On Betula lutea, Orono, 9-1896, (Ricker).

FOMES SCUTELLATUS Schw. On Alnus, Cumberland, 2-1859, (Blake). On Alnus, Orono, (Harvey).

*FOMES VOLVATUS Pk. Orono, (Harvey).

GLOEOPORUS CONCHOIDES Mont. Cumberland; Harrison, 10-1881, (Blake).

MERULIUS CORIUM Fr. Maine, (Morse), Grev. 1:68.

MERULIUS HAEDINUS B. & C. On Alnus, Harrison, 9-1876; Wells, (Blake).

MERULIUS LACRYMANS (Jacq.) Fr. Portland, (Morse). In Herb. Port. Soc. Nat. Hist. On the ground, Orono, 9-1895, (Harvey).

MERULIUS TREMELLOSUS Schrad. On Tsuga canadensis, Cumberland, (Blake). On Tsuga canadensis, Orono, 10-1886, (Harvey).

POLYPORUS ADMIRABILIS Pk. On Pyrus malus, Riverside, Bull. Torr. Bot. Club, 26: 69.

POLYPORUS ADUSTUS (Willd.) Fr. On Acer, Orono, 5-1897, (Ricker). On Acer, Auburn, (Merrill).

POLYPORUS ALBELLUS Pk. Orono, (Harvey).

POLYPORUS ARCULARIUS (Batsch). Fr. On Alnus, Cumberland, (Blake).

POLYPORUS BENZOINUS (Wahl.) Fr. On Tsuga canadensis, Greenfield, 1894, (Harvey).

POLYPORUS BETULINUS Fr. On Betula populifolia, Orono, (Harvey). On Betula populifolia, Westbrook, 2-1895, (Ricker).

POLYPORUS BOREALIS (Wahlbg.) Fr. *Mt. Katahdin, 9-1898, (Harvey). On Fagus ferruginea, Pea Cove, 10-1898, (Ricker). Det. Farl.

POLYPORUS BRUMALIS (Pers.) Fr. On Betula, Cumberland, (Blake). On Betula, Orono, 12-1897, (Harvey).

POLYPORUS CAESIUS (Schrad.) Fr. On Tsuga canadensis, Greenfield, 10-1894, (Harvey).

POLYPORUS CHIONEUS Fr. Orono, 11-1892, (Harvey).

POLYPORUS ELEGANS (Bull.) Fr. On Betula, Cumberland, 7-1858, (Blake). On Fagus ferruginea, Orono, 10-1896, (Ricker).

POLYPORUS LACTEUS Fr. On Acer, Cumberland, (Blake). On Alnus, Harrison, 8-1858, (Blake).

POLYPORUS PICIPES Fr. On fallen trees, Orono, 10-1896, (Harvey).

POLYPORUS PUBESCENS (Schum.) Fr. On fallen trees, Orono, (Harvey).

POLYPORUS RESINOSUS (Schrad.) Fr. On Abies balsamea, Greenfield, 1893, (Harvey). On Abies balsamea, Pea Cove, 10-1898, (Ricker).

POLYPORUS RESINISUS INCURVUS Pk. On Acer, Orono, 1896, (Harvey).

POLYPORUS SCHWEINITZII Fr. On the ground, Orono, 10-1897, (Ricker).

POLYPORUS SPUMEUS (Sow.) Fr. On Tsuga Canadensis, Orono, 1895, (Harvey).

POLYPORUS SQUAMOSUS (Huds.) Fr. Portland, (Sprague). Proc. Bost. Soc. Nat. Hist. 5: 326.

POLYPORUS SULPHUREUS (Bull.) Fr. On Quercus, Monmouth, 7-1897; Bradley, 10-1897, (Merrill).

POLYPORUS VARIUS Fr. Orono, 1897, (Harvey).

POLYPORUS WEINMANNI Fr. On Pinus, Orono, 10-1896; N. W. Carry, 8-1897, (Harvey).

POLYSTICTUS ABIETINUS Fr. On Abies balsamea, Cumberland, 11-1857, (Blake). On Abies balsamea, Orono, (Harvey).

POLYSTICTUS AUREO-NITENS Pat. & Pk. On Betula populifolia, Auburn, 10-1896, (Merrill). On Alnus, Pea Cove, 10-1898, (Ricker).

POLYSTICTUS CINNAMOMEUS Jacq. Bank of Wissattaquoik River, 9-1897, (Harvey).

POLYSTICTUS CIRCINATUS Fr. On fallen trees, N. W. Carry, (Harvey).

POLYSTICTUS CONCHIFER Schw. On Ulmus americana, Orono, 1890, (Harvey). On Ulmus americana, Auburn, 1897, (Merrill).

POLYSTICTUS HIRSUTUS Fr. On fallen trees, Cumberland, (Blake). On Fagus ferruginea, Durham, 12-1896, (Stover).

POLYSTICTUS OBLECTANS Berk. On the ground, Orono, 8-1897, (Harvey).

POLYSTICTUS PERENNIS (Linn.) Fr. Cumberland, (Blake). Orono, (Harvey).

POLYSTICTUS PERGAMENUS Fr. On Populus, Harrison, (Blake). On Betula papyrifera, Westbrook, 2-1895, (Ricker).

POLYSTICTUS PICEINUS Pk. On Abies balsamea, Orono, (Harvey). On Abies balsamea, Durham, 1-1897, (Stover).

POLYPORUS PSEUDOPERGAMENUS Thum. Orono, (Harvey).

POLYSTICTUS RADIATUS (Sow.) Fr. On Fagus ferruginea, Bradley, 10-1900, (Ricker).

POLYSTICTUS VERSICOLOR (Linn.) Fr. On fallen trees, Cumberland, (Blake). On fallen trees, Orono, 9-1896, (Ricker).

POLYSTICTUS VIRGINEUS Schw. Portland, (Sprague). In Blake Herb. On Alnus, Ea. Auburn, 1896, (Merrill).

Polystictus zonatus Fr. On fallen trees, Orono, (Harvey).

Poria attenuata Pk. On Pinus, Jackman, 9-1895, (Harvey). Det. Pk.

*Poria calcea Schw. Cumberland, (Blake).

Poria contigua (Pers.) Fr. On fallen trees, Wells, (Blake).

Poria farinellus Fr. On Pinus, Maine, (Blake). Herb. Harv. Univ.

Poria ferruginosa (Schrad.) Fr. On Betula, Cumberland, 4-1859, (Blake). On Acer, Orono, 10-1895, (Harvey).

Poria inermis E. & E. On Prunus, Durham, 12-1897, (Stover).

Poria mucida (Pers.) Fr. On Pine boards, Wells, (Blake).

Poria nitida A. & S. On Fraxinus, Pownal, 4-1897, (Stover).

*Poria sinuosa Fr. Orono, 1890, (Harvey).

Poria subacida Pk. On dead wood, Orono, 1890, (Harvey). On dead wood N. W. Carry, 10-1897, (Harvey).

Poria vaporaria Fr. On Andromeda ligustrina, Wells, 8-1859, (Blake). On Abies balsamea, Cumberland, 11-1857, (Blake). On Abies balsamea, Orono, 10-1896, (Harvey).

Poria violacea Fr. On Pinus, Orono; Oldtown, 10-1895, (Harvey).

Poria vulgaris, Fr. Cumberland, (Blake).

Solenia anomala (Pers.) Fr. On Prunus, Orono, 1892, (Harvey).

Solenia fasciculata Pers. On rotten wood, Jackman, 9-1895, (Harvey).

Solenia ochracea Hoffm. On Salix, Cumberland, 11-1876, (Blake). On Tilia americana, Orono, 12-1887, (Harvey).

Solenia villosa Fr. On decaying logs, Cumberland, (Blake). On decaying logs, Orono, (Harvey).

Trametes cinnabarina (Jacq.) Wint. On fallen trees, Cumberland, (Blake). On Fagus ferruginea, Orono, 5-1897, (Ricker).

Trametes indora Fr. On Pinus, Orono, 1890, (Harvey).

Trametes mollis Fr. On Salix, Harrison, 9-1859, (Blake). On Acer pennsylvanicum, Greenville, 8-1895, (Harvey).

Trametes sauveolens (Linn.) Fr. On Betula, Bradley, 1896, (Harvey). On Salix, Damariscotta Mills, 12-1896, (Harvey).

FAMILY HYDNACEÆ.

CALDESIELLA FERRUGINOSA (Fr.) Sacc. On Ulmus americana, Cumberland (Blake). On Ostrya virginica, Harrison, 9-1859, (Blake).

GRANDINIA CORRUGATA Fr. On Alnus, Orono, 10-1892, (Harvey).

GRANDINIA GRANULOSA Fr. Cumberland, (Blake).

HYDNUM AURISCALPIUM Linn. *F. Col. No. 1408.* On Pinus silvestris, Orono, 12-1897, (Ricker).

HYDNUM CAPUT-URSI Fr. Lunksoos Camp, 9-1898, (Harvey).

HYDNUM CORALLOIDES Scop. On Fagus ferruginea, Pea Cove, 10-1898, (Harvey).

HYDNUM CROCEUM (Schw.) Fr. On decaying logs, Orono, 10-1892, (Harvey).

*HYDNUM DELICTABILE Pk. Orono, 1896, (Harvey).

HYDNUM FENNICUM Karst. On the ground, Orono, 1896, (Harvey).

HYDNUM FERRUGINEUM Fr. On the ground, Cumberland, (Blake). On the ground, Orono, 8-1895, (Harvey).

HYDNUM FUSCO-ATRUM Fr. On Alnus, Cumberland, (Blake). (Blake).

HYDNUM GRAVEOLENS Delast. Peaks Is., Casco Bay, (Fuller). In Herb. Port. Soc. Nat. Hist.

HYDNUM IMBRICATUM Linn. Orono, 8-1887; Oldtown, 9-1896, (Harvey).

HYDNUM MUCIDUM Pers. On Pyrus malus, Wells, 10-1859, (Blake).

HYDNUM OCHRACEUM Pers. On Fagus, Cumberland, 1858, (Blake). On Alnus, Harrison, 9-1876, (Blake).

HYDNUM PITHYOPHILUM B. & C. On Pinus, Wells, (Blake).

HYDNUM REPANDUM Linn. On the ground, Cumberland, (Blake). On the ground, Orono, 8-1896, (Harvey).

HYDNUM SEPTENTRIONALE Fr. Orono, 1891, (Harvey).

HYDNUM SUAVEOLENS CAERULEUM Horn. On the ground, Orono, 10-1896, (Ricker).

HYDNUM ZONATUM Batsch. On the ground, Cumberland, (Blake). On the ground, Orono, 9-1896, (Harvey).

IRPEX CINNAMOMEUS Fr. Orono, 10-1892, (Harvey).

IRPEX FUSCO-VIOLACEUS (Schrad.) Fr. Orono, 9-1896, (Harvey).

IRPEX LACTEUS Fr. On Betula, Orono, 1897, (Harvey).

IRPEX MOLLIS B. & C. On Tsuga Canadensis, Westbrook, 12-1895, (Ricker).

IRPEX OBLIQUUS (Schrad.) Fr. Durham, 1897, (Stover).

IRPEX RIMOSUS Pk. Orono, (Harvey).

IRPEX SINUOSUS Fr. Cumberland, (Blake). Pea Cove, 10-1898, (Ricker).

KNEIFFIA SETIGERA Fr. Wells, 1880, (Blake). On Alnus incana, Orono, 8-1898, (Ricker).

MUCRONELLA AGGREGATA Fr. Orono, 10-1895, (Harvey).

ODONTIA FIMBRIATA Pers. Ea. Auburn, 1896, (Merrill).

PHLEBIA MERISMOIDES Fr. Maine, (Fuller). Herb. Port. Soc. Nat. Hist.

PHLEBIA RADIATA Fr. Cumberland, (Blake). Orono, 9-1887, (Harvey).

TREMELLODON GELATINOSUM (Scop.) Pers. On Tsuga canadensis, Cumberland, 9-1858, (Blake). On rotten wood, Pea Cove, 10-1898, (Ricker).

FAMILY CLAVARIACEÆ.

CALOCERA CORNEA Fr. On Alnus, Cumberland, (Blake). On Pinus strobus, Westbrook, 8-1900, (Ricker).

*CALOCERA VISCOSA (Pers.) Fr. Orono, (Harvey).

CLAVARIA ABIETINA Pers. Greenfield, 8-1895, (Harvey).

CLAVARIA AUREA Schaeff. Orono, 8-1896, (Harvey).

CLAVARIA BOTRYTES Pers. Cumberland, (Blake).

CLAVARIA CINEREA Bull. Pea Cove, 10-1898, (Ricker).

CLAVARIA CONTORTA Holmsk. Cumberland, 11-1857, (Blake).

CLAVARIA CRISPULA Fr. Maine, (Sprague). Grev. 2:7.

CLAVARIA CRISTATA Pers. Harrison, 8-1858, (Blake). Orono, 8-1887, (Harvey).

CLAVARIA FISTULOSA Fr. ? Cumberland, 11-1857, (Blake).

CLAVARIA FORMOSA Pers. Orono, 9-1897, (Harvey).

CLAVARIA FRAGILIS Holmsk. Harrison, 2-1858, (Blake).

CLAVARIA FUSIFORMIS Sowerb. Orono, 10-1887, (Harvey). Westbrook, 8-1899, (Ricker).

CLAVARIA GRACILIS Pers. Greenville, 8-1895, (Harvey).

CLAVARIA HARVEYI Pk. Orono, 8-1887, (Harvey).

CLAVARIA INAEQUALIS Mull. Cumberland, (Blake). Greenville, 8-1895, (Harvey).

CLAVARIA LIGULA Fr. Cumberland, 8-1858, (Blake). Orono, 10-1898, (Ricker).

CLAVARIA MUCIDA Pers. Orono, (Harvey). Det. Ell.

CLAVARIA PISTILLARIS Linn. Westbrook, 9-1900, (Ricker). Det. Ell.

CLAVARIA PLATYCLADA Pk. Maine, Bull. Torr. Bot. Club, 23:419.

CLAVARIA PULCHRA Pk. Orono, 8-1896, (Harvey).

CLAVARIA SPINULOSA Pers. Orono, 9-1895, (Harvey).

CLAVARIA STRICTA Pers. Greenfield, 10-1894, (Harvey).

CLAVARIA SUBTILIS Pers. Maine, (Sprague). In Blake Herb.

LACHNOCLADIUM MICHENERI B. & C. Orono, 10-1896, (Harvey).

PHYSALACRIA INFLATA Pk. Greenville 8-1895, (Harvey).

FAMILY THELEPHORACEÆ.

CORTICIUM ALUTARIUM B. & C. Harrison, 9-1859, (Blake).

CORTICIUM AMORPHUM (Pers.) Fr. Cumberland, (Blake). Pea Cove, 10-1898, (Ricker).

CORTICIUM AUBERIANUM Mont. On Alnus, Cumberland, (Blake).

*CORTICIUM CAERULEUM (Schrad.) Fr. Orono, (Harvey).

CORTICIUM EFFUSCATUM C. & E. Orono, 9-1895, (Harvey). Auburn, 8-1896, (Merrill).

CORTICIUM INCARNATUM (Pers.) Fr. Cumberland; Wells, 1880, (Blake). Orono, 12-1896, (Harvey).

CORTICIUM LACTEUM Fr. Orono, 10-1896, (Harvey).

CORTICIUM LANOSUM E. & E. Orono, 10-1896, (Harvey).

CORTICIUM LEVE Pers. Cumberland, (Blake). Orono, 10-1895, (Harvey).

*CORTICIUM LILACINO-FUSCUM B. & C. Cumberland, (Blake).

CORTICIUM LILACINUM Schroet. Cumberland, 11-1857, (Blake).

CORTICIUM OAKESH B. & C. Cumberland, (Blake). Auburn, 8-1896, (Merrill).

CORTICIUM PINICOLUM Tul. Orono, 10-1895, (Harvey).

*CORTICIUM POLYGONIUM Pers. Orono, 1889, (Harvey).

CORTICIUM RUBRO-CANUM Thum. Orono, (Harvey).

CORTICIUM SALICINUM Fr. On Salix discolor, Orono, 10-1900, (Ricker).

CORTICIUM SCUTELLARE B. & C. Orono, 9-1897, (Harvey).

CORTICIUM SUB-AURANTIACUM Pk. Orono, 10-1895, (Harvey).

CORTICIUM SUB-GIGANTEUM Berk. Wells, 1880, (Blake). Orono, 12-1887, (Blake).

CRATERELLUS CLAVATUS (Pers.) Fr. Maine, (Sprague). Grev. 1:147.

CRATERELLUS CORNUCOPIOIDES (L.) Fr. Cumberland, Harrison, 8-1858, (Blake).

CRATERELLUS DUBIUS Pk. Greenfield, 8-1896, (Harvey).

CYPHELLA FASCICULATA B. & C. Mt. Katahdin, 7-1856, (Blake).

CYPHELLA PEZIZOIDES Zopf. On Tilia americana, Orono, 1890, (Harvey). On Philadelphus coronarius, Orono, 10-1896, (Ricker).

CYPHELLA RAVENELII Sacc. On Alnus serrulata, Wells, 9-1859, (Blake). On Alnus serrulata, Orono, 5-1898, (Ricker).

HYMENOCHAETE AGGLUTINANS Ell. Orono, 1887, (Harvey).

HYMENOCHAETE CORRUGATA (Fr.) Lev. Orono, 12-1897, (Harvey).

HYMENOCHAETE RUBIGINOSA (Schr.) Lev. Cumberland; Wells, (Blake). On Acer rubrum, Orono, 4-1898, (Ricker).

HYMENOCHAETE TABACINA (Sow.) Lev. Wells, 1880, (Blake). Westbrook, 2-1895, (Ricker).

PENIOPHORA CINEREA (Fr.) Cke. On Picea nigra, Westbrook, 5-1898, (Ricker). Det. Ell.

STEREUM BICOLOR (Pers.) Fr. Harrison, 10-1881, (Blake). Orono, 10-1895, (Harvey).

STEREUM COMPLICATUM Fr. On Fagus ferruginea, Cumberland, 11-1857, (Blake).

STEREUM FASCIATUM Schw. Harrison, 8-1858, (Blake).

STEREUM FRUSTULOSUM (Pers.) Fr. Harrison, (Blake). Ea. Auburn, 1896, (Merrill).

STEREUM HIRSUTUM (W.) Fr. Wells, (Blake). On Betula, Westbrook, 5-1898, (Ricker).

STEREUM IMBRICATA (Schw.) Lev. On Pinus, Wells, 1880, (Blake).

STEREUM MICHENERI B. & C. Maine, (Morse). In Blake Herb.

STEREUM OCHRACEO-FLAVUM Schw. On Betula populifolia, Orono, 4-1898, (Ricker).

STEREUM PINI Fr. ? On Pinus, Wells, (Blake).

STEREUM PULVERULENTUM Pk. On Betula papyrifera, Orono, 10-1892, (Harvey).

STEREUM PURPUREUM Pers. *N. A. F. No. 2013.* Orono, 1897, (Harvey).

STEREUM RADIATUM Pk. Orono, 10-1895, (Harvey).

STEREUM SERICEUM Schw. Auburn, 1897, (Merrill).

STEREUM STRIATUM Fr. Westbrook, 6-1897, (Ricker). Pea Cove, 10-1898, (Ricker).

STEREUM TUBERCULOSUM Fr. (*S. rugosum Auct. plus Amer. not Fr.*) Orono, 10-1896, (Harvey). Det. Burt.

THELEPHORA CARYOPHYLLEA (Schaeff.) Pers. Cumberland, 9-1858, (Blake).

THELEPHORA FIMBRIATA (Schw.) Fr. Portland, (Fuller). In Herb. Port. Soc. Nat. Hist.

THELEPHORA LACINIATA Pers. On Pinus Strobus, Wells, 2-1860, (Blake). On Pinus Strobus, Orono, 10-1900, (Ricker).

THELEPHORA PALMATA (Scop.) Fr. Orono, 11-1896, (Merrill).

THELEPHORA PEDICELLATA Schw. Orono, 10-1896, (Harvey).

THELEPHORA SCHWEINITZII Pk. Harrison, 8-1858, (Blake). Orono, 9-1896, (Harvey).

THELEPHORA TERRESTRIS Ehrh. Cumberland, (Blake).

FAMILY TREMELLACEÆ.

CRATEROCOLLA RUBELLA Pers. Orono, 10-1896, (Harvey). Westbrook, 9-1898, (Ricker).

DACRYOMYCES DELIQUESCENS (Bull.) Dub. Portland, (Fuller). Grev. 5:150. Wells, 1880, (Blake).

DACRYOMYCES STILLATUS Nees. Harrison, 9-1859, Cumberland, (Blake).

*Ditiola radicata (A. & S. Fr. Orono, 1890, (Harvey).

Exidia albida (Huds.) Bref. Cumberland, 3-1859, (Blake). Orono, 10-1896, (Harvey).

Exidia glandulosa (Bull.) Fr. On Alnus incana, Westbrook, 2-1895, (Ricker). On Alnus incana, Orono, 9-1896, (Ricker).

*Exidia recisa Fr. Portland, (Bolles).

Guepinia spathularia (Schw.) Fr. On Betula lutea, Pownal, 8-1897, (Stover). On Betula lutea, Pea Cove, 10-1898, (Ricker).

Hirneola auricula-judae (L.) Berk. Cumberland, (Blake). Orono, 1891, (Harvey).

Næmatelia encephala (Willd.) Fr. Maine, (Fuller). Grev. 2:20.

Næmatelia nucleata (Schw.) Fr. Cumberland, (Blake). Orono, 12-1887, (Harvey).

Tremella aurantia Fr. Wells, (Blake). Orono, (Harvey).

*Tremella colorata Pk. Orono, (Harvey).

*Tremella enacta B. & C. Orono, (Harvey).

*Tremella frondosa Fr. Orono, (Harvey).

*Tremella lutescens Pers. Orono, (Harvey).

Tremella mesenterica Retz. Wells, (Blake). On Tsuga canadensis, Cumberland, 1857, (Blake).

Tremella sarcoides (Dicks.) Fr. Orono, 1890, (Harvey).

*Tremella stiptata Pk. Orono, (Harvey).

Ulocolla foliacea (Pers.) Bref. Cumberland, (Blake). Pea Cove, 10-1898, (Ricker).

ORDER GASTEROMYCETACEÆ.

FAMILY PHALLACEÆ.

Mutinus brevis B. & C. Orono, 8-1896, (Harvey).

Phallus daemonum Rumph. Orono, 9-1894, (Harvey).

Phallus impudicus Linn. Orono, 9-1896, (Harvey).

FAMILY NIDULARIACEAE.

Crucibulum vulgare Tul. Cumberland, 8-1858, (Blake). Machias, 8-1897, (Ricker). Orono, 4-1899, (Ricker).

CYATHUS STERCOREUS (Schw.) De Ton. Cumberland, 1858, (Blake). Orono, 10-1900, (Ricker).

CYATHUS STRIATUS (Huds.) Hoffm. Orono, 9-1890, (Harvey).

NIDULARIA PULVINATA (Schw.) Fr. Orono, (Harvey).

SPHÆROBOLUS STELLATUS Tod. Orono, (Harvey).

*SPHÆROBOLUS TUBEROSUS Fr. Orono, (Harvey).

FAMILY LYCOPERDACEÆ.

BOVISTA CIRCUMSCISSA B. & C. Cumberland, (Blake).

BOVISTA PILA B. & C. Jackman, 9-1895, (Harvey). Orono, 4-1898, (Ricker).

*BOVISTA PLUMBEA Pers. Orono, (Harvey).

CALVATIA CYATHIFORME (Bosc.) Morg. Orono, 8-1896, (Harvey).

GEASTER HYGROMETRICUS Pers. Wells, 9-1859, (Blake).

*LYCOPERDON ASTEROSPERMUM D. & M. Orono, (Harvey).

LYCOPERDON BOVISTA Linn. Maine Herb. Bost. Soc. Nat. Hist.

LYCOPERDON CURTISII Berk. Orono, (Harvey).

LYCOPERDON PUSILLUM Batsch. Cumberland, (Blake). Orono, (Harvey).

LYCOPERDON GEMMATUM Batsch. Harrison, 8-1858, (Blake). Orono, (Harvey).

LYCOPERDON GLABELLUM Pk. Orono, 1896, (Harvey).

LYCOPERDON MOLLE Pers. Orono, 9-1896, (Harvey).

LYCOPERDON PEDICELLATUM Pk. Orono, (Harvey).

LYCOPERDON PIRIFORME Schaeff. Cumberland, (Blake). Orono, (Harvey).

*LYCOPERDON SUBINCARNATUM Pk. Greenville. 8-1895, (Harvey).

LYCOPERDON TURNERI E. & E. Orono, (Harvey).

LYCOPERDON WRIGHTII B. & C. Orono, (Harvey).

LYCOPERDON WRIGHTII SEPARANS Pk. Orono, (Harvey).

SCLERODERMA VULGARE Hormen. Cumberland, 9-1877, (Blake). Orono, (Harvey).

SUMMARY.

	Genera.	Species.
Myxomycetaceæ:		
Physaraceæ	6	32
Didymiaceæ	3	13
Spumariaceæ	2	3
Stemonitaceæ	3	15
Amaurochetaceæ	1	1
Liceacoæ	4	4
Clathroptychiaceæ	1	1
Cribrariaceæ	2	6
Reticulariaceæ	1	1
Perichænaceæ	1	3
Arcyriaceæ	5	13
Trichiaceæ	4	19
Schizomycetaceæ	3	3
Mucoraceæ	2	2
Peronosporaceæ	4	4
Saprolegniaceæ	2	3
Entomophthoraceæ	2	15
Chytridiaceæ	1	1
Hyphomycetaceæ:		
Mucedinaceæ	12	16
Dematiaceæ	13	30
Stilbaceæ	5	8
Tubercularaceæ	9	12
Sphaeropsidaceæ:		
Sphærioidaceæ	17	61
Leptostromaceæ	6	8
Excipulaceæ	2	2
Melanconiaceæ	9	16
Saccharomycetaceæ	1	1
Pyrenomycetaceæ:		
Perisporiaceæ	11	26
Sphæriaceæ	44	107
Hypocreaceæ	10	25

	Genera.	Species.
Pyrenomycetaceæ:		
Dothideaceæ	3	10
Microthyriaceæ	1	1
Lophiostomaceæ	1	1
Hysteriaceæ	7	11
Laboulbeniaceæ	17	60
Discomycetacoæ:		
Helvellaceæ	7	16
Pezizaceæ	17	37
Dermateaceæ	5	16
Bulgariaceæ	6	12
Stictidaceæ	3	3
Phacidiaceæ	3	14
Patellariaceæ	5	5
Gymnoascaceæ	1	1
Caliciaceæ	3	5
Ustilaginaceæ	3	8
Uredinaceæ	13	67
Hymenomycetaceæ:		
Agaricaceæ	37	165
Polyporaceæ	12	96
Hydnaceæ	9	33
Clavariaceæ	4	26
Thelepheraceæ	7	50
Tremellaceæ	9	20
Gasteromycetaceæ:		
Phallaceæ	2	3
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ERRATA.

The distance separating the publisher, editor and author made it impossible for the author to see all of the proofs, so there are several mistakes in the list. Those noted are as follows:

Page 3, line 3, from the bottom and elsewhere, for *Berkley* read *Berkeley*.
Page 12, line 16, omit parenthesis from Macbr.
Page 24, line 17, for *ellish* read *ellisii*.
Page 25, line 8 from bottom, for *Pinusilvestris* read *Pinus silvestris*.
Page 26, line 3, for *Sambusus* read *Sambucus*.
Page 27, line 8 from bottom, for) read *E*.
Page 28, line 1, for *rubri* read *rubi*.
Page 30, line 2, omit comma after Cornus.
Page 31, line 17, for *syringa* read *Syringa*.
Page 32, line 17, for *ellish* read *ellisii*.
Page 38, line 20, for *tremuloids* read *tremuloides*.
Page 49, line 2 from bottom, for *ellish* read *ellisii*.
Page 53, line 6 from bottom, for *rontundifolia* read *rotundifolia*.
Page 68, line 7 from bottom, for *leve* read *læve*.
Page 68, line 2 from bottom, for *oakesh* read *oakesii*.

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